

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012531.D
 Acq On : 19 Sep 2019 16:20
 Operator : JC/SP
 Sample : VX0919MBSD01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:24 AM

Quant Time: Sep 20 05:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	138710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	142086	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	5.49	113	102304	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	8.71	98	381844	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	153355	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24031	18.806	ug/l	99
3) Chloromethane	1.32	50	21116	19.791	ug/l	99
4) Vinyl Chloride	1.40	62	23408	20.299	ug/l	98
5) Bromomethane	1.63	94	9841	21.721	ug/l	99
6) Chloroethane	1.72	64	17254	19.120	ug/l	96
7) Trichlorofluoromethane	1.92	101	43942	20.787	ug/l	100
8) Diethyl Ether	2.18	74	19582	20.509	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30468	19.920	ug/l	98
10) Methyl Iodide	2.50	142	21156	19.128	ug/l	97
11) Tert butyl alcohol	3.03	59	74791	102.571	ug/l	98
12) 1,1-Dichloroethene	2.36	96	25089	20.562	ug/l	87
13) Acrolein	2.28	56	18122	73.009	ug/l	98
14) Allyl chloride	2.72	41	56143	19.764	ug/l	98
15) Acrylonitrile	3.13	53	123099	102.132	ug/l	100
16) Acetone	2.43	43	119410	88.825	ug/l	98
17) Carbon Disulfide	2.56	76	29415	18.237	ug/l	97
18) Methyl Acetate	2.76	43	62508	21.567	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	135554	20.376	ug/l	100
20) Methylene Chloride	2.85	84	33629	19.978	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	26061	20.569	ug/l	94
22) Diisopropyl ether	3.84	45	138571	20.834	ug/l	98
23) Vinyl Acetate	3.80	43	563518	102.995	ug/l	99
24) 1,1-Dichloroethane	3.69	63	66383	20.860	ug/l	98
25) 2-Butanone	4.66	43	184715	95.738	ug/l	100
26) 2,2-Dichloropropane	4.58	77	54834	17.520	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	39130	20.674	ug/l	96
28) Bromochloromethane	5.01	49	34599	21.089	ug/l	96
29) Tetrahydrofuran	5.11	42	111526	104.635	ug/l	100
30) Chloroform	5.20	83	72942	19.958	ug/l	97
31) Cyclohexane	5.58	56	39298	20.457	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	61096	20.001	ug/l	99
36) 1,1-Dichloropropene	5.79	75	38992	19.281	ug/l	95
37) Ethyl Acetate	4.82	43	67601	21.777	ug/l	99
38) Carbon Tetrachloride	5.78	117	47134	18.739	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012531.D
 Acq On : 19 Sep 2019 16:20
 Operator : JC/SP
 Sample : VX0919MBSD01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0919MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:24 AM

Quant Time: Sep 20 05:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	39093	19.885	ug/l	99
40) Benzene	6.14	78	131145	20.393	ug/l	100
41) Methacrylonitrile	5.03	41	38290	19.156	ug/l	97
42) 1,2-Dichloroethane	6.19	62	58942	19.761	ug/l	99
43) Isopropyl Acetate	6.43	43	110800	19.887	ug/l	99
44) Trichloroethene	7.21	130	34733	20.532	ug/l	97
45) 1,2-Dichloropropane	7.51	63	39815	20.152	ug/l	98
46) Dibromomethane	7.65	93	23946	18.729	ug/l	95
47) Bromodichloromethane	7.89	83	54008	18.971	ug/l	96
48) Methyl methacrylate	7.76	41	51165	19.481	ug/l	97
49) 1,4-Dioxane	7.73	88	24750	387.191	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	367791	100.659	ug/l	99
52) Toluene	8.78	92	84008	20.273	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	55214	18.658	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	59888	19.548	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	42176	19.755	ug/l	98
56) Ethyl methacrylate	9.17	69	66355	19.879	ug/l	100
57) 1,3-Dichloropropane	9.37	76	68887	20.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	183932	106.452	ug/l	99
59) 2-Hexanone	9.48	43	281028	98.586	ug/l	99
60) Dibromochloromethane	9.58	129	42441	19.516	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39722	20.372	ug/l	99
64) Tetrachloroethene	9.33	164	32184	23.829	ug/l	89
65) Chlorobenzene	10.14	112	98259	20.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	40078	19.851	ug/l	99
67) Ethyl Benzene	10.25	91	172381	20.625	ug/l	100
68) m/p-Xylenes	10.36	106	123354	40.564	ug/l	98
69) o-Xylene	10.70	106	63685	20.364	ug/l	98
70) Styrene	10.71	104	112551	20.341	ug/l	99
71) Bromoform	10.85	173	27795	17.941	ug/l #	99
73) Isopropylbenzene	11.01	105	182905	21.016	ug/l	100
74) N-amyl acetate	10.89	43	96196	20.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	68090	19.944	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	66383m	20.834	ug/l	
77) Bromobenzene	11.25	156	44239	20.842	ug/l	99
78) n-propylbenzene	11.35	91	201719	20.795	ug/l	99
79) 2-Chlorotoluene	11.42	91	127110	20.143	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154106	20.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19262	18.665	ug/l	94
82) 4-Chlorotoluene	11.51	91	149237	20.606	ug/l	98
83) tert-Butylbenzene	11.76	119	156481	19.674	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	156242	20.501	ug/l	100
85) sec-Butylbenzene	11.94	105	176126	20.096	ug/l	99
86) p-Isopropyltoluene	12.06	119	162607	20.205	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80549	20.174	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82277	20.061	ug/l	99
89) n-Butylbenzene	12.39	91	135152	18.822	ug/l	99
90) Hexachloroethane	12.59	117	27093	18.360	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	86463	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17578	19.860	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012531.D
Acq On : 19 Sep 2019 16:20
Operator : JC/SP
Sample : VX0919MBSD01
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBSD01

Manual Integrations
APPROVED

MMDadoda
9/20/2019 10:45:24 AM

Quant Time: Sep 20 05:45:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	53205	19.794	ug/l	100
94) Hexachlorobutadiene	13.78	225	21712	17.138	ug/l	97
95) Naphthalene	13.83	128	202768	21.200	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	56342	20.569	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

