

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012270.D
 Acq On : 10 Sep 2019 22:55
 Operator : SY/SP
 Sample : VX0910SBS03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:32 AM

Quant Time: Sep 11 03:08:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	126108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	98850	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
35) Dibromofluoromethane	5.48	113	74986	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.71	98	276791	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	122040	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	19764	19.169	ug/l	97
3) Chloromethane	1.31	50	19468	20.947	ug/l	98
4) Vinyl Chloride	1.39	62	18471	20.045	ug/l	97
5) Bromomethane	1.62	94	9536	23.034	ug/l	96
6) Chloroethane	1.70	64	12316	19.987	ug/l	96
7) Trichlorofluoromethane	1.91	101	31532	18.907	ug/l	98
8) Diethyl Ether	2.17	74	12427	21.837	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21914	19.496	ug/l	98
10) Methyl Iodide	2.49	142	17476	16.336	ug/l	99
11) Tert butyl alcohol	3.03	59	17245m	84.991	ug/l	
12) 1,1-Dichloroethene	2.36	96	19160	20.079	ug/l	99
13) Acrolein	2.28	56	9725	104.344	ug/l	97
14) Allyl chloride	2.71	41	39523	20.315	ug/l	99
15) Acrylonitrile	3.13	53	38836	110.398	ug/l	98
16) Acetone	2.43	43	37348	88.488	ug/l	98
17) Carbon Disulfide	2.55	76	38630	19.278	ug/l	99
18) Methyl Acetate	2.76	43	20005	22.550	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	84093	22.315	ug/l	96
20) Methylene Chloride	2.84	84	32238	23.062	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	23618	20.745	ug/l	97
22) Diisopropyl ether	3.84	45	95546	21.474	ug/l	96
23) Vinyl Acetate	3.80	43	288307	105.613	ug/l	98
24) 1,1-Dichloroethane	3.68	63	51049	21.420	ug/l	99
25) 2-Butanone	4.67	43	56516	104.746	ug/l	99
26) 2,2-Dichloropropane	4.57	77	39171	17.506	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	31574	21.481	ug/l	98
28) Bromochloromethane	5.00	49	24354	21.788	ug/l	96
29) Tetrahydrofuran	5.12	42	33080	113.633	ug/l	98
30) Chloroform	5.20	83	57644	21.449	ug/l	97
31) Cyclohexane	5.56	56	31555	19.060	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	46375	20.096	ug/l	98
36) 1,1-Dichloropropene	5.78	75	32794	18.604	ug/l	97
37) Ethyl Acetate	4.82	43	23609	21.666	ug/l	96
38) Carbon Tetrachloride	5.76	117	36196	17.501	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012270.D
 Acq On : 10 Sep 2019 22:55
 Operator : SY/SP
 Sample : VX0910SBS03
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0910SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:32 AM

Quant Time: Sep 11 03:08:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	32811	16.961	ug/l	95
40) Benzene	6.13	78	106381	19.940	ug/l	100
41) Methacrylonitrile	5.03	41	14772	21.990	ug/l	95
42) 1,2-Dichloroethane	6.18	62	43220	20.497	ug/l	100
43) Isopropyl Acetate	6.43	43	47082	20.494	ug/l	99
44) Trichloroethene	7.20	130	28242	19.560	ug/l	95
45) 1,2-Dichloropropane	7.50	63	29397	19.906	ug/l	98
46) Dibromomethane	7.65	93	17412	21.573	ug/l	98
47) Bromodichloromethane	7.89	83	43358	19.685	ug/l	99
48) Methyl methacrylate	7.76	41	23053	20.964	ug/l	97
49) 1,4-Dioxane	7.74	88	5939	400.237	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	121355	100.086	ug/l	99
52) Toluene	8.78	92	70437	19.988	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	41872	19.047	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	46630	19.128	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	25550	20.433	ug/l	98
56) Ethyl methacrylate	9.17	69	34235	20.221	ug/l	99
57) 1,3-Dichloropropane	9.37	76	44151	20.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	85548	98.588	ug/l	99
59) 2-Hexanone	9.49	43	84926	100.735	ug/l	99
60) Dibromochloromethane	9.57	129	27976	19.165	ug/l	96
61) 1,2-Dibromoethane	9.67	107	24252	20.836	ug/l	98
64) Tetrachloroethene	9.33	164	25091	20.911	ug/l	97
65) Chlorobenzene	10.14	112	81253	19.600	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	30571	19.562	ug/l	98
67) Ethyl Benzene	10.25	91	142288	19.298	ug/l	99
68) m/p-Xylenes	10.35	106	102709	37.842	ug/l	98
69) o-Xylene	10.70	106	52157	19.617	ug/l	99
70) Styrene	10.71	104	91040	19.307	ug/l	98
71) Bromoform	10.85	173	14954	18.454	ug/l #	97
73) Isopropylbenzene	11.01	105	137375	18.484	ug/l	98
74) N-amyl acetate	10.89	43	41889	18.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	33731	21.133	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	28866m	19.904	ug/l	
77) Bromobenzene	11.25	156	34306	20.049	ug/l	99
78) n-propylbenzene	11.35	91	166804	18.586	ug/l	100
79) 2-Chlorotoluene	11.42	91	106122	19.085	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	125668	18.802	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8457	17.472	ug/l	93
82) 4-Chlorotoluene	11.51	91	126119	18.873	ug/l	100
83) tert-Butylbenzene	11.77	119	118222	18.217	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	130189	18.843	ug/l	99
85) sec-Butylbenzene	11.94	105	138749	17.918	ug/l	99
86) p-Isopropyltoluene	12.06	119	129052	18.037	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	67330	19.316	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	67523	19.157	ug/l	98
89) n-Butylbenzene	12.39	91	124417	17.742	ug/l	100
90) Hexachloroethane	12.59	117	23316	17.692	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	63027	19.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6672	20.479	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091019\
Data File : VX012270.D
Acq On : 10 Sep 2019 22:55
Operator : SY/SP
Sample : VX0910SBS03
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS03

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:32 AM

Quant Time: Sep 11 03:08:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	41897	18.816	µg/l	99
94) Hexachlorobutadiene	13.78	225	20276	18.304	µg/l	98
95) Naphthalene	13.83	128	94135	19.699	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	38491	19.537	µg/l	99

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

