

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012377.D
 Acq On : 13 Sep 2019 10:47
 Operator : SY/SP
 Sample : VX0913SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:04 AM

Quant Time: Sep 13 12:26:40 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	5.65	168	125181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	197579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	168152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	60097	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	
35) Dibromofluoromethane	5.49	113	57393	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
50) Toluene-d8	8.71	98	229959	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.14	95	82855	40.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23934	23.386	ug/l	90
3) Chloromethane	1.31	50	19146	20.754	ug/l	97
4) Vinyl Chloride	1.40	62	19956	21.816	ug/l	98
5) Bromomethane	1.63	94	12421	31.819	ug/l	99
6) Chloroethane	1.72	64	12943	21.160	ug/l	97
7) Trichlorofluoromethane	1.92	101	37514	22.660	ug/l	99
8) Diethyl Ether	2.17	74	8525	15.091	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25651	22.990	ug/l	99
10) Methyl Iodide	2.50	142	10785	10.156	ug/l	98
11) Tert butyl alcohol	3.03	59	12873	61.534	ug/l #	87
12) 1,1-Dichloroethene	2.36	96	21230	22.413	ug/l	96
13) Acrolein	2.28	56	5226	56.487	ug/l	87
14) Allyl chloride	2.72	41	34885	18.064	ug/l	100
15) Acrylonitrile	3.13	53	20938	59.961	ug/l	97
16) Acetone	2.43	43	29002	69.223	ug/l	93
17) Carbon Disulfide	2.56	76	37927	19.067	ug/l	98
18) Methyl Acetate	2.76	43	10192	11.574	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	50794	13.579	ug/l	93
20) Methylene Chloride	2.84	84	23032	15.819	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	22517	19.924	ug/l	91
22) Diisopropyl ether	3.84	45	70788	16.028	ug/l	95
23) Vinyl Acetate	3.80	43	176594	65.169	ug/l	99
24) 1,1-Dichloroethane	3.69	63	45123	19.073	ug/l	98
25) 2-Butanone	4.66	43	30541	57.023	ug/l	97
26) 2,2-Dichloropropane	4.57	77	44342	19.964	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	25575	17.529	ug/l	96
28) Bromochloromethane	5.00	49	15756	14.201	ug/l	96
29) Tetrahydrofuran	5.12	42	15427	53.386	ug/l	95
30) Chloroform	5.20	83	47486	17.800	ug/l	95
31) Cyclohexane	5.56	56	35692	21.719	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	44544	19.446	ug/l	98
36) 1,1-Dichloropropene	5.79	75	32732	22.720	ug/l	95
37) Ethyl Acetate	4.82	43	12145	13.637	ug/l #	87
38) Carbon Tetrachloride	5.77	117	38094	22.537	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012377.D
 Acq On : 13 Sep 2019 10:47
 Operator : SY/SP
 Sample : VX0913SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:13:04 AM

Quant Time: Sep 13 12:26:40 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	7.46	83	37618	23.793	ug/l	99
40) Benzene	6.13	78	90890	20.845	ug/l	97
41) Methacrylonitrile	5.03	41	7599	13.841	ug/l	96
42) 1,2-Dichloroethane	6.18	62	28513	16.545	ug/l	97
43) Isopropyl Acetate	6.43	43	24291	12.937	ug/l	97
44) Trichloroethene	7.21	130	25758	21.828	ug/l	90
45) 1,2-Dichloropropane	7.51	63	22272	18.453	ug/l	97
46) Dibromomethane	7.65	93	10590	16.054	ug/l	99
47) Bromodichloromethane	7.89	83	30058	16.698	ug/l	98
48) Methyl methacrylate	7.76	41	11651	12.964	ug/l	96
49) 1,4-Dioxane	7.74	88	3230	266.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	60973	61.529	ug/l	99
52) Toluene	8.78	92	61007	21.183	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	26720	14.872	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	33016	16.572	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	15518	15.185	ug/l	98
56) Ethyl methacrylate	9.17	69	18490	13.363	ug/l	99
57) 1,3-Dichloropropane	9.37	76	27439	15.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	44054	62.120	ug/l	96
59) 2-Hexanone	9.49	43	42730	62.016	ug/l	100
60) Dibromochloromethane	9.57	129	18267	15.311	ug/l	99
61) 1,2-Dibromoethane	9.67	107	13819	14.527	ug/l	99
64) Tetrachloroethene	9.33	164	22484	25.283	ug/l	99
65) Chlorobenzene	10.14	112	64965	21.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	22900	19.772	ug/l	99
67) Ethyl Benzene	10.25	91	122822	22.476	ug/l	100
68) m/p-Xylenes	10.35	106	91773	45.623	ug/l	98
69) o-Xylene	10.70	106	42059	21.344	ug/l	98
70) Styrene	10.71	104	67489	19.311	ug/l	96
71) Bromoform	10.85	173	8332	13.873	ug/l	99
73) Isopropylbenzene	11.01	105	122013	24.573	ug/l	99
74) N-amyl acetate	10.89	43	21339	14.454	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	17928	16.812	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	15814m	16.321	ug/l	
77) Bromobenzene	11.25	156	24607	21.525	ug/l	97
78) n-propylbenzene	11.35	91	148261	24.727	ug/l	100
79) 2-Chlorotoluene	11.42	91	83982	22.607	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	103052	23.079	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	4059	12.552	ug/l	90
82) 4-Chlorotoluene	11.51	91	101161	22.659	ug/l	100
83) tert-Butylbenzene	11.76	119	105593	24.354	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	102222	22.145	ug/l	98
85) sec-Butylbenzene	11.94	105	126511	24.454	ug/l	100
86) p-Isopropyltoluene	12.06	119	113441	23.732	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	50829	21.827	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	48526	20.608	ug/l	99
89) n-Butylbenzene	12.38	91	106757	22.787	ug/l	100
90) Hexachloroethane	12.59	117	17721	20.127	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	42054	19.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2988	13.728	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091319\
Data File : VX012377.D
Acq On : 13 Sep 2019 10:47
Operator : SY/SP
Sample : VX0913SBS01
Misc : 5.00µ/5.0mL/MSVOA X/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913SBS01

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:13:04 AM

Quant Time: Sep 13 12:26:40 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	25133	16.895	µg/l	98
94) Hexachlorobutadiene	13.77	225	16016	21.641	µg/l	99
95) Naphthalene	13.83	128	40254	12.609	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	20288	15.414	µg/l	99

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

