

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012116.D
 Acq On : 05 Sep 2019 22:17
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:40 PM

Quant Time: Sep 06 07:05:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	112015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	213753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	200716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86661	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
35) Dibromofluoromethane	5.48	113	65933	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	8.71	98	245780	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.14	95	110165	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	44659	43.234	ug/l	97
3) Chloromethane	1.31	50	53150	50.242	ug/l	99
4) Vinyl Chloride	1.39	62	48408	48.637	ug/l	99
5) Bromomethane	1.62	94	28553	57.830	ug/l	97
6) Chloroethane	1.71	64	31303	50.592	ug/l	97
7) Trichlorofluoromethane	1.92	101	71867	46.489	ug/l	99
8) Diethyl Ether	2.17	74	28001	52.415	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	50482	44.089	ug/l #	83
10) Methyl Iodide	2.50	142	35980	33.688	ug/l	92
11) Tert butyl alcohol	3.03	59	35003	235.784	ug/l	96
12) 1,1-Dichloroethene	2.36	96	50590	45.866	ug/l	90
13) Acrolein	2.28	56	8551	226.148	ug/l	99
14) Allyl chloride	2.72	41	100364	50.287	ug/l	98
15) Acrylonitrile	3.12	53	84349	251.268	ug/l	99
16) Acetone	2.43	43	75092	203.266	ug/l	99
17) Carbon Disulfide	2.56	76	159034	49.335	ug/l	99
18) Methyl Acetate	2.76	43	48566	55.805	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	180460	50.254	ug/l	97
20) Methylene Chloride	2.84	84	69014	46.521	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	63019	48.688	ug/l	96
22) Diisopropyl ether	3.84	45	204733	50.327	ug/l	95
23) Vinyl Acetate	3.80	43	663965	252.307	ug/l	99
24) 1,1-Dichloroethane	3.68	63	116501	49.378	ug/l	99
25) 2-Butanone	4.65	43	117550	249.971	ug/l	94
26) 2,2-Dichloropropane	4.56	77	90798	41.683	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	73530	48.463	ug/l	92
28) Bromochloromethane	5.00	49	53811	57.136	ug/l #	79
29) Tetrahydrofuran	5.12	42	73306	258.732	ug/l	99
30) Chloroform	5.20	83	125808	49.694	ug/l	98
31) Cyclohexane	5.56	56	84208	44.440	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	107500	48.755	ug/l	96
36) 1,1-Dichloropropene	5.79	75	85102	45.204	ug/l	95
37) Ethyl Acetate	4.82	43	49575	48.425	ug/l	98
38) Carbon Tetrachloride	5.77	117	90112	45.424	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	91077	41.683	ug/l	94
40) Benzene	6.13	78	255383	47.252	ug/l	98
41) Methacrylonitrile	5.03	41	31001	50.778	ug/l	96
42) 1,2-Dichloroethane	6.18	62	97972	50.373	ug/l	97
43) Isopropyl Acetate	6.43	43	103335	49.641	ug/l	98
44) Trichloroethene	7.20	130	67661	46.415	ug/l	84
45) 1,2-Dichloropropane	7.51	63	66104	47.340	ug/l	100
46) Dibromomethane	7.65	93	40050	49.132	ug/l #	74
47) Bromodichloromethane	7.89	83	98666	47.619	ug/l	99
48) Methyl methacrylate	7.76	41	52171	49.845	ug/l	96
49) 1,4-Dioxane	7.73	88	14185	994.165	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	270796	255.758	ug/l	96
52) Toluene	8.78	92	165825	47.156	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	97904	45.640	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	108728	45.580	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	54976	47.174	ug/l	97
56) Ethyl methacrylate	9.17	69	79363	47.543	ug/l	93
57) 1,3-Dichloropropane	9.37	76	96619	48.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	189219	251.430	ug/l	94
59) 2-Hexanone	9.48	43	188068	243.428	ug/l	96
60) Dibromochloromethane	9.57	129	65782	47.362	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54497	48.394	ug/l	98
64) Tetrachloroethene	9.33	164	62155	49.671	ug/l #	87
65) Chlorobenzene	10.14	112	179599	45.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	66929	46.220	ug/l	97
67) Ethyl Benzene	10.25	91	325509	45.092	ug/l	96
68) m/p-Xylenes	10.35	106	240600	90.462	ug/l	90
69) o-Xylene	10.70	106	115865	44.925	ug/l	87
70) Styrene	10.71	104	206708	46.144	ug/l	95
71) Bromoform	10.85	173	36784	46.249	ug/l #	97
73) Isopropylbenzene	11.01	105	316545	43.794	ug/l	95
74) N-amyl acetate	10.89	43	98649	46.160	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	68420	45.406	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	53507m	44.453	ug/l	
77) Bromobenzene	11.25	156	72296	44.722	ug/l #	68
78) n-propylbenzene	11.35	91	372596	42.669	ug/l	95
79) 2-Chlorotoluene	11.42	91	237371	44.869	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	285531	45.077	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	20321	39.913	ug/l	93
82) 4-Chlorotoluene	11.51	91	286906	45.501	ug/l	90
83) tert-Butylbenzene	11.77	119	260996	43.231	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	286300	43.977	ug/l	96
85) sec-Butylbenzene	11.94	105	318993	42.539	ug/l	94
86) p-Isopropyltoluene	12.06	119	289529	42.455	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	143577	44.324	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	145436	44.903	ug/l	94
89) n-Butylbenzene	12.38	91	282512	42.645	ug/l	96
90) Hexachloroethane	12.59	117	56627	41.586	ug/l	59
91) 1,2-Dichlorobenzene	12.38	146	135809	46.552	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14413	45.708	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	92984	44.780	ug/l	95
94) Hexachlorobutadiene	13.78	225	49053	46.864	ug/l	97
95) Naphthalene	13.83	128	205824	45.799	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	82735	45.289	ug/l	96

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

