

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012143.D
 Acq On : 06 Sep 2019 12:47
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:18 AM

Quant Time: Sep 07 01:20:45 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	125194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	229994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102990	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	87572	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.48	113	69623	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	259505	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	114186	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	57782	50.050	ug/l	96
3) Chloromethane	1.31	50	62373	52.753	ug/l	100
4) Vinyl Chloride	1.39	62	59861	53.813	ug/l	98
5) Bromomethane	1.62	94	34412	62.360	ug/l	98
6) Chloroethane	1.71	64	37692	54.505	ug/l	97
7) Trichlorofluoromethane	1.92	101	93796	54.287	ug/l	98
8) Diethyl Ether	2.17	74	32822	54.972	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	66809	52.206	ug/l #	84
10) Methyl Iodide	2.50	142	54103	42.910	ug/l	94
11) Tert butyl alcohol	3.03	59	35959	216.725	ug/l	97
12) 1,1-Dichloroethene	2.36	96	65275	52.950	ug/l	93
13) Acrolein	2.28	56	9480	224.114	ug/l	97
14) Allyl chloride	2.72	41	121144	54.309	ug/l	96
15) Acrylonitrile	3.12	53	91266	243.254	ug/l	98
16) Acetone	2.43	43	101831	246.628	ug/l	99
17) Carbon Disulfide	2.56	76	192454	53.418	ug/l	100
18) Methyl Acetate	2.76	43	48897	50.271	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	207297	51.651	ug/l	98
20) Methylene Chloride	2.84	84	83523	50.375	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	75790	52.390	ug/l	90
22) Diisopropyl ether	3.84	45	243998	53.665	ug/l	97
23) Vinyl Acetate	3.79	43	791777	269.203	ug/l	97
24) 1,1-Dichloroethane	3.68	63	141649	53.717	ug/l	99
25) 2-Butanone	4.65	43	133360	253.738	ug/l	96
26) 2,2-Dichloropropane	4.56	77	132170	54.289	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	88355	52.104	ug/l	90
28) Bromochloromethane	5.00	49	50925	48.380	ug/l #	79
29) Tetrahydrofuran	5.11	42	78372	247.494	ug/l	98
30) Chloroform	5.20	83	149195	52.729	ug/l	99
31) Cyclohexane	5.56	56	108835	51.390	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	134395	54.536	ug/l	96
36) 1,1-Dichloropropene	5.79	75	107785	53.209	ug/l	95
37) Ethyl Acetate	4.81	43	55226	50.136	ug/l	99
38) Carbon Tetrachloride	5.77	117	115447	54.086	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	117961	50.174	ug/l	91
40) Benzene	6.13	78	306983	52.789	ug/l	99
41) Methacrylonitrile	5.03	41	34632	52.720	ug/l	97
42) 1,2-Dichloroethane	6.18	62	114097	54.521	ug/l	96
43) Isopropyl Acetate	6.43	43	114610	51.170	ug/l	97
44) Trichloroethene	7.20	130	82007	52.284	ug/l	89
45) 1,2-Dichloropropane	7.50	63	78586	52.305	ug/l	99
46) Dibromomethane	7.65	93	46139	52.605	ug/l #	72
47) Bromodichloromethane	7.89	83	115958	52.013	ug/l #	97
48) Methyl methacrylate	7.76	41	57761	51.289	ug/l	94
49) 1,4-Dioxane	7.73	88	13727	894.130	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	285256	250.390	ug/l	97
52) Toluene	8.78	92	199194	52.645	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	118154	51.191	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	133932	52.181	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	63102	50.323	ug/l	95
56) Ethyl methacrylate	9.17	69	89181	49.652	ug/l	94
57) 1,3-Dichloropropane	9.37	76	111439	51.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	189914	234.533	ug/l	93
59) 2-Hexanone	9.48	43	208015	250.234	ug/l	97
60) Dibromochloromethane	9.57	129	76777	51.375	ug/l	99
61) 1,2-Dibromoethane	9.67	107	61538	50.788	ug/l	99
64) Tetrachloroethene	9.33	164	67226	51.331	ug/l #	84
65) Chlorobenzene	10.14	112	213342	51.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	79814	52.664	ug/l	98
67) Ethyl Benzene	10.25	91	394352	52.197	ug/l	95
68) m/p-Xylenes	10.35	106	285686	102.631	ug/l	88
69) o-Xylene	10.70	106	137996	51.124	ug/l	87
70) Styrene	10.71	104	244644	52.181	ug/l	95
71) Bromoform	10.85	173	40561	48.727	ug/l #	98
73) Isopropylbenzene	11.01	105	383054	50.692	ug/l	97
74) N-amyl acetate	10.89	43	108532	48.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	74713	47.427	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	59253m	47.087	ug/l	
77) Bromobenzene	11.25	156	86656	51.275	ug/l	69
78) n-propylbenzene	11.35	91	466410	51.090	ug/l	94
79) 2-Chlorotoluene	11.42	91	282277	51.038	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	340817	51.467	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	23888	44.879	ug/l	93
82) 4-Chlorotoluene	11.51	91	337629	51.217	ug/l	91
83) tert-Butylbenzene	11.77	119	315620	50.006	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	344071	50.554	ug/l	93
85) sec-Butylbenzene	11.94	105	387649	49.448	ug/l	94
86) p-Isopropyltoluene	12.06	119	352767	49.479	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	168962	49.893	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	169427	50.036	ug/l	94
89) n-Butylbenzene	12.38	91	341895	49.366	ug/l	96
90) Hexachloroethane	12.59	117	67632	47.509	ug/l	56
91) 1,2-Dichlorobenzene	12.38	146	152939	50.145	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14755	44.759	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	98251	45.259	ug/l	96
94) Hexachlorobutadiene	13.78	225	51599	47.153	ug/l	98
95) Naphthalene	13.83	128	207054	44.070	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	87355	45.739	ug/l	94

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

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