

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011987.D
 Acq On : 01 Sep 2019 12:36
 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
 9/5/2019 2:04:51 AM

Quant Time: Sep 02 05:35:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	409906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	518255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	470758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	278177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	156973	39.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.94%	
35) Dibromofluoromethane	5.48	113	156104	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	8.71	98	571107	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.13	95	226487	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	127943	51.716	ug/l	97
3) Chloromethane	1.31	50	124617	43.451	ug/l	99
4) Vinyl Chloride	1.39	62	132838	48.506	ug/l	99
5) Bromomethane	1.62	94	89302	47.128	ug/l	98
6) Chloroethane	1.71	64	84859	49.788	ug/l	96
7) Trichlorofluoromethane	1.92	101	257753	54.194	ug/l	99
8) Diethyl Ether	2.17	74	70796	43.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	169027	54.528	ug/l	97
10) Methyl Iodide	2.50	142	168197	49.721	ug/l	99
11) Tert butyl alcohol	3.02	59	73498	194.525	ug/l	99
12) 1,1-Dichloroethene	2.36	96	149340	51.873	ug/l	99
13) Acrolein	2.28	56	48749	259.227	ug/l	97
14) Allyl chloride	2.71	41	253820	46.999	ug/l	97
15) Acrylonitrile	3.12	53	185970	207.134	ug/l	99
16) Acetone	2.42	43	230709	273.031	ug/l	99
17) Carbon Disulfide	2.56	76	384059	46.508	ug/l	100
18) Methyl Acetate	2.76	43	88409	37.797	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	413278	44.311	ug/l	99
20) Methylene Chloride	2.84	84	163225	44.756	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	169634	50.021	ug/l	97
22) Diisopropyl ether	3.84	45	497273	45.104	ug/l	98
23) Vinyl Acetate	3.80	43	1559658	220.033	ug/l	98
24) 1,1-Dichloroethane	3.68	63	294483	48.437	ug/l	99
25) 2-Butanone	4.65	43	276480	224.653	ug/l	99
26) 2,2-Dichloropropane	4.56	77	295857	58.020	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	196192	49.114	ug/l	99
28) Bromochloromethane	5.00	49	108695	39.843	ug/l	94
29) Tetrahydrofuran	5.11	42	152453	198.466	ug/l	98
30) Chloroform	5.19	83	319808	49.196	ug/l	99
31) Cyclohexane	5.56	56	239328	48.804	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	308066	53.350	ug/l	100
36) 1,1-Dichloropropene	5.78	75	234381	57.085	ug/l	100
37) Ethyl Acetate	4.81	43	108580	44.676	ug/l	100
38) Carbon Tetrachloride	5.77	117	289616	60.820	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	277026	56.646	ug/l	99
40) Benzene	6.12	78	658197	53.705	ug/l	99
41) Methacrylonitrile	5.02	41	65671	45.891	ug/l	98
42) 1,2-Dichloroethane	6.17	62	215608	51.732	ug/l	100
43) Isopropyl Acetate	6.43	43	224485	45.557	ug/l	99
44) Trichloroethene	7.20	130	217186	57.276	ug/l	98
45) 1,2-Dichloropropane	7.50	63	164838	51.419	ug/l	99
46) Dibromomethane	7.65	93	94271	49.549	ug/l	97
47) Bromodichloromethane	7.89	83	248468	52.666	ug/l	99
48) Methyl methacrylate	7.76	41	110243	45.982	ug/l	99
49) 1,4-Dioxane	7.73	88	31447	953.827	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	560323	223.841	ug/l	99
52) Toluene	8.78	92	446320	55.047	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	249083	51.542	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	282238	52.027	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	138787	49.828	ug/l	99
56) Ethyl methacrylate	9.17	69	183489	47.466	ug/l	99
57) 1,3-Dichloropropane	9.37	76	228575	49.443	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	410280	222.834	ug/l	97
59) 2-Hexanone	9.48	43	424206	238.569	ug/l	99
60) Dibromochloromethane	9.57	129	196343	52.485	ug/l	100
61) 1,2-Dibromoethane	9.67	107	137837	49.914	ug/l	99
64) Tetrachloroethene	9.33	164	219483	57.961	ug/l	98
65) Chlorobenzene	10.14	112	513946	56.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	207840	56.339	ug/l	100
67) Ethyl Benzene	10.25	91	894732	57.659	ug/l	100
68) m/p-Xylenes	10.35	106	697166	116.351	ug/l	98
69) o-Xylene	10.70	106	332086	56.875	ug/l	98
70) Styrene	10.71	104	582597	56.609	ug/l	99
71) Bromoform	10.85	173	141815	54.366	ug/l #	100
73) Isopropylbenzene	11.01	105	947712	59.293	ug/l	100
74) N-amyl acetate	10.89	43	220384	46.462	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	160554	49.082	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	119775m	43.770	ug/l	
77) Bromobenzene	11.25	156	259834	56.052	ug/l	95
78) n-propylbenzene	11.35	91	1071944	59.143	ug/l	99
79) 2-Chlorotoluene	11.42	91	612641	56.156	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	798930	57.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53257	48.892	ug/l	100
82) 4-Chlorotoluene	11.51	91	735566	55.889	ug/l	99
83) tert-Butylbenzene	11.76	119	846568	60.474	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	803762	56.848	ug/l	100
85) sec-Butylbenzene	11.94	105	985139	60.587	ug/l	99
86) p-Isopropyltoluene	12.06	119	951839	60.370	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	491785	57.083	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	483128	55.472	ug/l	99
89) n-Butylbenzene	12.38	91	843075	60.439	ug/l	99
90) Hexachloroethane	12.59	117	179584	58.875	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	439499	54.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30885	47.399	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	389469	57.746	ug/l	99
94) Hexachlorobutadiene	13.77	225	289576	64.291	ug/l	99
95) Naphthalene	13.83	128	572320	49.444	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	333365	54.660	ug/l	100

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

