

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090819\
 Data File : VX012236.D
 Acq On : 08 Sep 2019 21:19
 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
 9/9/2019 8:42:57 AM

Quant Time: Sep 09 03:37:52 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	5.64	168	102071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	183601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82464	58.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.10%	
35) Dibromofluoromethane	5.48	113	63042	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	8.71	98	230002	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.14	95	103182	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38231	40.617	ug/l	96
3) Chloromethane	1.31	50	46976	48.731	ug/l	97
4) Vinyl Chloride	1.39	62	42663	47.041	ug/l	97
5) Bromomethane	1.62	94	23561	52.369	ug/l	96
6) Chloroethane	1.71	64	28956	51.358	ug/l	95
7) Trichlorofluoromethane	1.92	101	65603	46.571	ug/l	98
8) Diethyl Ether	2.17	74	27858	57.228	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45960	44.050	ug/l #	84
10) Methyl Iodide	2.50	142	27962	29.759	ug/l	92
11) Tert butyl alcohol	3.03	59	57813	427.374	ug/l	98
12) 1,1-Dichloroethene	2.36	96	45254	45.025	ug/l	85
13) Acrolein	2.28	56	8589	251.641	ug/l	99
14) Allyl chloride	2.71	41	94462	51.940	ug/l	98
15) Acrylonitrile	3.12	53	101599	332.140	ug/l	98
16) Acetone	2.43	43	93330	277.246	ug/l	97
17) Carbon Disulfide	2.56	76	128098	43.610	ug/l	99
18) Methyl Acetate	2.76	43	49353	62.235	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	191537	58.535	ug/l	99
20) Methylene Chloride	2.84	84	64528	47.735	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	58209	49.353	ug/l	90
22) Diisopropyl ether	3.84	45	223288	60.236	ug/l	97
23) Vinyl Acetate	3.80	43	743491	310.051	ug/l	97
24) 1,1-Dichloroethane	3.68	63	115821	53.872	ug/l	97
25) 2-Butanone	4.65	43	155474	362.827	ug/l	95
26) 2,2-Dichloropropane	4.57	77	87375	44.020	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	74865	54.150	ug/l	91
28) Bromochloromethane	5.00	49	44118	51.408	ug/l #	76
29) Tetrahydrofuran	5.11	42	90506	350.560	ug/l	97
30) Chloroform	5.20	83	135614	58.787	ug/l	96
31) Cyclohexane	5.56	56	73493	42.564	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103988	51.757	ug/l	96
36) 1,1-Dichloropropene	5.79	75	78572	45.499	ug/l	95
37) Ethyl Acetate	4.81	43	64075	68.234	ug/l	99
38) Carbon Tetrachloride	5.77	117	85831	47.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	80619	40.224	ug/l	95
40) Benzene	6.13	78	255059	51.449	ug/l	100
41) Methacrylonitrile	5.03	41	39452	70.449	ug/l	97
42) 1,2-Dichloroethane	6.18	62	110950	62.190	ug/l	96
43) Isopropyl Acetate	6.43	43	133311	69.818	ug/l	97
44) Trichloroethene	7.20	130	68237	51.032	ug/l	77
45) 1,2-Dichloropropane	7.50	63	73874	57.676	ug/l	98
46) Dibromomethane	7.65	93	47158	63.070	ug/l #	73
47) Bromodichloromethane	7.89	83	118502	62.351	ug/l	98
48) Methyl methacrylate	7.76	41	67951	70.777	ug/l	94
49) 1,4-Dioxane	7.73	88	20509	1567.029	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	397573	409.361	ug/l	97
52) Toluene	8.78	92	176655	54.766	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	123037	62.530	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	127572	58.303	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	72744	68.050	ug/l	97
56) Ethyl methacrylate	9.17	69	108496	70.858	ug/l	94
57) 1,3-Dichloropropane	9.37	76	123825	67.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	183290	265.518	ug/l	95
59) 2-Hexanone	9.48	43	288799	407.526	ug/l	96
60) Dibromochloromethane	9.57	129	87425	68.622	ug/l	100
61) 1,2-Dibromoethane	9.67	107	70176	67.938	ug/l	98
64) Tetrachloroethene	9.33	164	66559	58.148	ug/l #	87
65) Chlorobenzene	10.14	112	209867	57.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	84706	63.949	ug/l	97
67) Ethyl Benzene	10.25	91	357465	54.135	ug/l	96
68) m/p-Xylenes	10.36	106	267777	110.065	ug/l	92
69) o-Xylene	10.70	106	135147	57.286	ug/l	89
70) Styrene	10.71	104	248177	60.565	ug/l	95
71) Bromoform	10.86	173	50932	70.007	ug/l #	97
73) Isopropylbenzene	11.01	105	346341	52.060	ug/l	96
74) N-amyl acetate	10.89	43	141147	71.758	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	96620	69.665	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	76385m	68.947	ug/l	
77) Bromobenzene	11.25	156	90059	60.528	ug/l	71
78) n-propylbenzene	11.35	91	412571	51.332	ug/l	94
79) 2-Chlorotoluene	11.42	91	269962	55.443	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	310866	53.321	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	28460	60.732	ug/l	92
82) 4-Chlorotoluene	11.51	91	329032	56.694	ug/l	91
83) tert-Butylbenzene	11.76	119	292946	52.719	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	324179	54.102	ug/l	95
85) sec-Butylbenzene	11.94	105	343740	49.803	ug/l	94
86) p-Isopropyltoluene	12.06	119	317487	50.581	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	169388	56.814	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	167487	56.182	ug/l	94
89) n-Butylbenzene	12.39	91	296721	48.663	ug/l	96
90) Hexachloroethane	12.59	117	61750	49.270	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	163931	61.051	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	20192	69.573	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	103122	53.956	ug/l	97
94) Hexachlorobutadiene	13.78	225	49557	51.439	ug/l	100
95) Naphthalene	13.83	128	260719	63.030	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94001	55.906	ug/l	96

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

