

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\
 Data File : VW006142.D
 Acq On : 17 Oct 2018 22:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 11.67G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/18/2018 4:39:45 PM

Quant Time: Oct 18 12:55:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	290450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121044	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	126623	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.33	98	473737	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	182502	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66963	46.589	ug/l	97
3) Chloromethane	2.21	50	86076	46.524	ug/l	98
4) Vinyl Chloride	2.37	62	130729	49.477	ug/l	99
5) Bromomethane	2.79	94	117414	48.858	ug/l	99
6) Chloroethane	2.93	64	91842	48.504	ug/l	100
7) Trichlorofluoromethane	3.26	101	117707	47.821	ug/l	100
8) Diethyl Ether	3.68	74	66690	50.981	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131385	50.934	ug/l	99
10) Methyl Iodide	4.27	142	231820	53.995	ug/l	99
11) Tert butyl alcohol	5.22	59	38481	237.613	ug/l	98
12) 1,1-Dichloroethene	4.03	96	124354	51.242	ug/l	95
13) Acrolein	3.90	56	38493	245.638	ug/l	94
14) Allyl chloride	4.67	41	179993	51.872	ug/l	100
15) Acrylonitrile	5.38	53	119134	253.912	ug/l	99
16) Acetone	4.14	43	102950	226.498	ug/l	99
17) Carbon Disulfide	4.38	76	362385	49.478	ug/l	99
18) Methyl Acetate	4.68	43	64506	53.231	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	195187	52.807	ug/l	98
20) Methylene Chloride	4.92	84	136156	53.554	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	141548	52.255	ug/l	99
22) Diisopropyl ether	6.32	45	365776	53.342	ug/l	99
23) Vinyl Acetate	6.26	43	1012495	250.199	ug/l	100
24) 1,1-Dichloroethane	6.21	63	237212	53.612	ug/l	99
25) 2-Butanone	7.18	43	155924	239.693	ug/l	98
26) 2,2-Dichloropropane	7.17	77	151208	48.454	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160797	53.792	ug/l	99
28) Bromochloromethane	7.51	49	92577	54.197	ug/l	96
29) Tetrahydrofuran	7.54	42	98555	246.476	ug/l	99
30) Chloroform	7.68	83	256652	53.240	ug/l	98
31) Cyclohexane	7.96	56	207147	47.012	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	226381	52.059	ug/l	99
36) 1,1-Dichloropropene	8.09	75	199998	51.704	ug/l	99
37) Ethyl Acetate	7.26	43	69230	48.171	ug/l	99
38) Carbon Tetrachloride	8.07	117	214938	50.688	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	257828	50.143	ug/l	98
40) Benzene	8.33	78	557640	52.555	ug/l	98
41) Methacrylonitrile	7.49	41	45853	52.925	ug/l	96
42) 1,2-Dichloroethane	8.40	62	165472	53.080	ug/l	100
43) Isopropyl Acetate	8.43	43	144054	49.023	ug/l	100
44) Trichloroethene	9.10	130	171914	52.810	ug/l	99
45) 1,2-Dichloropropane	9.37	63	132536	52.199	ug/l	96
46) Dibromomethane	9.46	93	75542	52.201	ug/l	99
47) Bromodichloromethane	9.65	83	185150	52.772	ug/l	99
48) Methyl methacrylate	9.44	41	71237	51.144	ug/l	98
49) 1,4-Dioxane	9.48	88	22906	1028.184	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	359966	244.494	ug/l	99
52) Toluene	10.39	92	372873	52.417	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	179121	51.242	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	209692	52.268	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106245	52.464	ug/l	98
56) Ethyl methacrylate	10.65	69	128468	51.747	ug/l	97
57) 1,3-Dichloropropane	10.94	76	174156	51.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	234304	246.991	ug/l	98
59) 2-Hexanone	10.98	43	247841	235.820	ug/l	99
60) Dibromochloromethane	11.13	129	132274	52.438	ug/l	100
61) 1,2-Dibromoethane	11.24	107	106384	52.576	ug/l	100
64) Tetrachloroethene	10.87	164	159945	53.364	ug/l	98
65) Chlorobenzene	11.66	112	433494	52.449	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	156986	53.447	ug/l	99
67) Ethyl Benzene	11.74	91	750295	52.382	ug/l	100
68) m/p-Xylenes	11.84	106	590399	104.285	ug/l	100
69) o-Xylene	12.17	106	288125	53.401	ug/l	98
70) Styrene	12.19	104	465326	53.036	ug/l	100
71) Bromoform	12.35	173	81976	50.037	ug/l	99
73) Isopropylbenzene	12.47	105	794998	52.256	ug/l	100
74) N-amyl acetate	12.28	43	144461	48.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	119266	51.543	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	97258m	59.130	ug/l	
77) Bromobenzene	12.75	156	198052	53.150	ug/l	99
78) n-propylbenzene	12.81	91	923204	52.159	ug/l	100
79) 2-Chlorotoluene	12.90	91	525900	52.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	673853	52.540	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31722	46.101	ug/l	98
82) 4-Chlorotoluene	12.99	91	554627	53.240	ug/l	99
83) tert-Butylbenzene	13.21	119	602933	52.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	687072	52.941	ug/l	100
85) sec-Butylbenzene	13.39	105	842226	51.954	ug/l	100
86) p-Isopropyltoluene	13.51	119	769837	52.502	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	392943	52.986	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	386822	52.388	ug/l	100
89) n-Butylbenzene	13.83	91	696074	51.908	ug/l	99
90) Hexachloroethane	14.10	117	126735	51.027	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	347369	52.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19756	47.687	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	264826	52.030	ug/l	99
94) Hexachlorobutadiene	15.24	225	166324	52.018	ug/l	99
95) Naphthalene	15.38	128	437010	51.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	229273	52.078	ug/l	99

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

