

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006331.D
 Acq On : 24 Oct 2018 22:27
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/25/2018 12:47:38 PM

Quant Time: Oct 25 07:01:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178649	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	96822	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	102384	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
50) Toluene-d8	10.33	98	381683	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.62	95	145983	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	63761	53.652	ug/l	98
3) Chloromethane	2.21	50	79225	51.788	ug/l	100
4) Vinyl Chloride	2.37	62	118686	54.327	ug/l	99
5) Bromomethane	2.79	94	102131	51.398	ug/l	94
6) Chloroethane	2.93	64	87509	55.894	ug/l	95
7) Trichlorofluoromethane	3.26	101	110344	54.218	ug/l	99
8) Diethyl Ether	3.68	74	56985	52.685	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116222	54.492	ug/l	98
10) Methyl Iodide	4.26	142	195376	55.037	ug/l	99
11) Tert butyl alcohol	5.23	59	32575	243.269	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	109589	54.615	ug/l	89
13) Acrolein	3.90	56	27800	214.554	ug/l	98
14) Allyl chloride	4.67	41	149589	52.138	ug/l	99
15) Acrylonitrile	5.38	53	103307	266.290	ug/l	99
16) Acetone	4.15	43	102922	277.147	ug/l	99
17) Carbon Disulfide	4.37	76	303817	50.168	ug/l	98
18) Methyl Acetate	4.68	43	52099	51.997	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	161480	52.836	ug/l	94
20) Methylene Chloride	4.91	84	115827	55.147	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	123543	55.160	ug/l	99
22) Diisopropyl ether	6.32	45	309716	54.626	ug/l	99
23) Vinyl Acetate	6.26	43	872787	260.843	ug/l	98
24) 1,1-Dichloroethane	6.22	63	205185	56.085	ug/l	99
25) 2-Butanone	7.18	43	139448	259.258	ug/l	99
26) 2,2-Dichloropropane	7.17	77	128088	49.641	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	140026	56.653	ug/l	98
28) Bromochloromethane	7.51	49	78396	55.506	ug/l	94
29) Tetrahydrofuran	7.54	42	83806	253.483	ug/l	98
30) Chloroform	7.68	83	223426	56.054	ug/l	98
31) Cyclohexane	7.96	56	178431	48.975	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	194517	54.100	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174476	54.565	ug/l	99
37) Ethyl Acetate	7.26	43	61355	51.645	ug/l	99
38) Carbon Tetrachloride	8.07	117	183621	52.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	224107	52.726	ug/l	99
40) Benzene	8.33	78	489596	55.819	ug/l	99
41) Methacrylonitrile	7.49	41	38060	53.143	ug/l	97
42) 1,2-Dichloroethane	8.40	62	140480	54.514	ug/l	100
43) Isopropyl Acetate	8.43	43	120776	49.721	ug/l	98
44) Trichloroethene	9.10	130	148426	55.157	ug/l	97
45) 1,2-Dichloropropane	9.37	63	114279	54.448	ug/l	99
46) Dibromomethane	9.46	93	65109	54.427	ug/l	98
47) Bromodichloromethane	9.65	83	157098	54.167	ug/l	99
48) Methyl methacrylate	9.44	41	58657	50.944	ug/l	95
49) 1,4-Dioxane	9.49	88	20927	1136.350	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	308580	253.547	ug/l	99
52) Toluene	10.39	92	327302	55.660	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	151008	52.259	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	178779	53.908	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93034	55.575	ug/l	97
56) Ethyl methacrylate	10.65	69	109361	53.289	ug/l	95
57) 1,3-Dichloropropane	10.94	76	152253	54.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	189714	241.927	ug/l	100
59) 2-Hexanone	10.98	43	216591	249.306	ug/l	97
60) Dibromochloromethane	11.13	129	112186	53.802	ug/l	100
61) 1,2-Dibromoethane	11.24	107	92795	55.477	ug/l	98
64) Tetrachloroethene	10.87	164	138169	55.893	ug/l	98
65) Chlorobenzene	11.66	112	380761	55.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	134089	55.350	ug/l	99
67) Ethyl Benzene	11.74	91	654193	55.376	ug/l	99
68) m/p-Xylenes	11.85	106	516899	110.699	ug/l	99
69) o-Xylene	12.17	106	245141	55.087	ug/l	100
70) Styrene	12.19	104	402809	55.664	ug/l	99
71) Bromoform	12.35	173	69012	51.074	ug/l	99
73) Isopropylbenzene	12.47	105	688359	54.541	ug/l	99
74) N-amyl acetate	12.28	43	120645	49.216	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	105612	55.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66359m	48.632	ug/l	
77) Bromobenzene	12.75	156	170243	55.072	ug/l	99
78) n-propylbenzene	12.81	91	807540	54.996	ug/l	100
79) 2-Chlorotoluene	12.90	91	453979	55.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	583634	54.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	27382	47.968	ug/l	98
82) 4-Chlorotoluene	12.99	91	481947	55.767	ug/l	100
83) tert-Butylbenzene	13.21	119	524575	55.106	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	597281	55.476	ug/l	99
85) sec-Butylbenzene	13.39	105	740669	55.075	ug/l	100
86) p-Isopropyltoluene	13.51	119	673594	55.375	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	340471	55.341	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	338468	55.255	ug/l	99
89) n-Butylbenzene	13.83	91	613777	55.173	ug/l	99
90) Hexachloroethane	14.10	117	108477	52.648	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	303511	55.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16576	48.230	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	242476	57.425	ug/l	100
94) Hexachlorobutadiene	15.24	225	142797	53.834	ug/l	99
95) Naphthalene	15.38	128	371979	52.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199044	54.499	ug/l	100

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

