

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006948.D
 Acq On : 19 Nov 2018 17:36
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/20/2018 4:34:50 PM

Quant Time: Nov 20 04:45:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	131478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	204534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	96093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	62139	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
35) Dibromofluoromethane	7.89	113	57986	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.33	98	259813	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	100713	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	60033	47.691	ug/l	96
3) Chloromethane	2.21	50	52193	46.059	ug/l	98
4) Vinyl Chloride	2.36	62	51355	47.808	ug/l	97
5) Bromomethane	2.78	94	28079	48.663	ug/l	98
6) Chloroethane	2.92	64	29267	49.473	ug/l	98
7) Trichlorofluoromethane	3.27	101	98835	47.274	ug/l	100
8) Diethyl Ether	3.69	74	30950	40.909	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	62468	46.268	ug/l	98
10) Methyl Iodide	4.28	142	76317	45.984	ug/l	99
11) Tert butyl alcohol	5.21	59	18880	169.370	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	55725	46.003	ug/l	99
13) Acrolein	3.90	56	29236	289.245	ug/l	99
14) Allyl chloride	4.68	41	93166	43.721	ug/l	99
15) Acrylonitrile	5.38	53	63794	216.652	ug/l	99
16) Acetone	4.14	43	46638	208.092	ug/l	94
17) Carbon Disulfide	4.38	76	179421	46.820	ug/l	99
18) Methyl Acetate	4.68	43	30855	37.620	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	152925	43.065	ug/l	97
20) Methylene Chloride	4.92	84	71410	45.993	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	63243	43.768	ug/l	97
22) Diisopropyl ether	6.32	45	187622	43.135	ug/l	99
23) Vinyl Acetate	6.26	43	495896	205.885	ug/l	99
24) 1,1-Dichloroethane	6.22	63	110241	44.016	ug/l	99
25) 2-Butanone	7.18	43	78514	210.937	ug/l	99
26) 2,2-Dichloropropane	7.17	77	97678	44.697	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	69896	43.506	ug/l	99
28) Bromochloromethane	7.52	49	38202	41.529	ug/l #	100
29) Tetrahydrofuran	7.54	42	50873	210.165	ug/l	99
30) Chloroform	7.68	83	116316	42.361	ug/l	99
31) Cyclohexane	7.96	56	112758	44.939	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	107428	45.446	ug/l	99
36) 1,1-Dichloropropene	8.09	75	96937	49.749	ug/l	99
37) Ethyl Acetate	7.26	43	34548	41.701	ug/l	99
38) Carbon Tetrachloride	8.07	117	93361	48.754	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123666	51.140	ug/l	98
40) Benzene	8.33	78	267339	48.545	ug/l	100
41) Methacrylonitrile	7.49	41	24008	47.313	ug/l	98
42) 1,2-Dichloroethane	8.40	62	74006	44.891	ug/l	99
43) Isopropyl Acetate	8.43	43	67864	42.691	ug/l	98
44) Trichloroethene	9.10	130	73350	49.538	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65393	47.010	ug/l	99
46) Dibromomethane	9.46	93	32518	46.160	ug/l	97
47) Bromodichloromethane	9.65	83	86770	46.777	ug/l	98
48) Methyl methacrylate	9.44	41	33720	43.959	ug/l	97
49) 1,4-Dioxane	9.47	88	10144	950.249	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	178995	228.463	ug/l	98
52) Toluene	10.39	92	188149	51.069	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	84876	46.820	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	102314	47.162	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	47761	45.981	ug/l	94
56) Ethyl methacrylate	10.65	69	58959	45.655	ug/l	96
57) 1,3-Dichloropropane	10.93	76	82206	46.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	142482	224.421	ug/l	98
59) 2-Hexanone	10.97	43	128761	245.560	ug/l	98
60) Dibromochloromethane	11.13	129	56747	47.908	ug/l	98
61) 1,2-Dibromoethane	11.24	107	45642	47.279	ug/l	99
64) Tetrachloroethene	10.87	164	62070	49.613	ug/l	95
65) Chlorobenzene	11.66	112	206518	50.325	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	61104	46.724	ug/l	100
67) Ethyl Benzene	11.74	91	376145	50.839	ug/l	98
68) m/p-Xylenes	11.84	106	291537	101.188	ug/l	100
69) o-Xylene	12.17	106	136911	50.068	ug/l	99
70) Styrene	12.18	104	225257	51.225	ug/l	99
71) Bromoform	12.35	173	29711	48.733	ug/l #	100
73) Isopropylbenzene	12.47	105	379627	49.885	ug/l	100
74) N-amyl acetate	12.27	43	65216	42.819	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	52281	46.704	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	40928m	53.000	ug/l	
77) Bromobenzene	12.75	156	81273	50.389	ug/l	97
78) n-propylbenzene	12.81	91	453925	49.640	ug/l	99
79) 2-Chlorotoluene	12.90	91	260750	48.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	325976	49.746	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15584	45.938	ug/l	98
82) 4-Chlorotoluene	12.99	91	277842	49.174	ug/l	99
83) tert-Butylbenzene	13.21	119	280303	50.371	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	325206	49.401	ug/l	99
85) sec-Butylbenzene	13.39	105	400149	50.396	ug/l	100
86) p-Isopropyltoluene	13.51	119	353001	50.868	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	165732	50.250	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	163984	49.888	ug/l	100
89) n-Butylbenzene	13.83	91	336198	51.181	ug/l	99
90) Hexachloroethane	14.10	117	52512	46.417	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	146665	49.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8810	45.480	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	94369	50.857	ug/l	100
94) Hexachlorobutadiene	15.24	225	50688	51.712	ug/l	99
95) Naphthalene	15.38	128	176168	49.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	80018	50.303	ug/l	99

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

