

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006170.D
 Acq On : 18 Oct 2018 12:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:42:09 PM

Quant Time: Oct 19 06:42:50 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	287065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	401131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	198739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	104691	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
35) Dibromofluoromethane	7.89	113	112013	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.33	98	429158	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.62	95	161007	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	69297	48.78	ug/l	99
3) Chloromethane	2.22	50	82193	44.95	ug/l	99
4) Vinyl Chloride	2.37	62	129638	49.64	ug/l	99
5) Bromomethane	2.79	94	112916	47.54	ug/l	98
6) Chloroethane	2.93	64	86904	46.44	ug/l	96
7) Trichlorofluoromethane	3.26	101	121990	50.15	ug/l	99
8) Diethyl Ether	3.68	74	54723	42.33	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	130826	51.32	ug/l	99
10) Methyl Iodide	4.27	142	215441	50.77	ug/l	99
11) Tert butyl alcohol	5.21	59	30130	188.24	ug/l	100
12) 1,1-Dichloroethene	4.03	96	121898	50.82	ug/l	95
13) Acrolein	3.89	56	35436	228.80	ug/l	94
14) Allyl chloride	4.67	41	164427	47.94	ug/l	99
15) Acrylonitrile	5.38	53	100459	216.63	ug/l	99
16) Acetone	4.14	43	107849	241.02	ug/l	100
17) Carbon Disulfide	4.38	76	342242	47.28	ug/l	100
18) Methyl Acetate	4.68	43	48907	40.83	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	163935	44.87	ug/l	95
20) Methylene Chloride	4.92	84	125599	49.87	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	134782	50.34	ug/l	100
22) Diisopropyl ether	6.31	45	324162	47.83	ug/l	98
23) Vinyl Acetate	6.26	43	889333	222.36	ug/l	99
24) 1,1-Dichloroethane	6.21	63	218112	49.88	ug/l	98
25) 2-Butanone	7.18	43	136233	211.89	ug/l	97
26) 2,2-Dichloropropane	7.17	77	152706	49.51	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	147995	50.09	ug/l	99
28) Bromochloromethane	7.51	49	81294	48.15	ug/l	95
29) Tetrahydrofuran	7.53	42	81374	205.91	ug/l	99
30) Chloroform	7.68	83	237424	49.83	ug/l	98
31) Cyclohexane	7.96	56	207838	47.72	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	216706	50.42	ug/l	99
36) 1,1-Dichloropropene	8.09	75	192525	52.07	ug/l	100
37) Ethyl Acetate	7.26	43	56934	41.45	ug/l	99
38) Carbon Tetrachloride	8.07	117	207840	51.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255858	52.06	ug/l	97
40) Benzene	8.32	78	519095	51.18	ug/l	99
41) Methacrylonitrile	7.49	41	34979	42.24	ug/l	91
42) 1,2-Dichloroethane	8.40	62	145621	48.87	ug/l	100
43) Isopropyl Acetate	8.43	43	119842	42.67	ug/l	98
44) Trichloroethene	9.09	130	162303	52.16	ug/l	100
45) 1,2-Dichloropropane	9.37	63	120219	49.54	ug/l	100
46) Dibromomethane	9.46	93	67034	48.46	ug/l	99
47) Bromodichloromethane	9.65	83	163150	48.65	ug/l	99
48) Methyl methacrylate	9.44	41	59313	44.55	ug/l	98
49) 1,4-Dioxane	9.48	88	19510	916.21	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	298438	212.07	ug/l	98
52) Toluene	10.39	92	350180	51.50	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	158177	47.34	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	190176	49.59	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	91871	47.46	ug/l	99
56) Ethyl methacrylate	10.65	69	107982	45.50	ug/l	97
57) 1,3-Dichloropropane	10.93	76	152529	47.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	197949	218.31	ug/l	98
59) 2-Hexanone	10.98	43	215874	214.89	ug/l	98
60) Dibromochloromethane	11.13	129	114086	47.32	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90909	47.00	ug/l	100
64) Tetrachloroethene	10.87	164	145631	52.28	ug/l	99
65) Chlorobenzene	11.66	112	398429	51.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	140204	51.36	ug/l	99
67) Ethyl Benzene	11.74	91	702454	52.77	ug/l	99
68) m/p-Xylenes	11.85	106	556621	105.80	ug/l	99
69) o-Xylene	12.17	106	264547	52.76	ug/l	99
70) Styrene	12.19	104	426823	52.35	ug/l	100
71) Bromoform	12.35	173	68737	45.15	ug/l #	100
73) Isopropylbenzene	12.47	105	754669	53.75	ug/l	100
74) N-amyl acetate	12.28	43	121522	44.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	101649	47.60	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	67407m	44.41	ug/l	
77) Bromobenzene	12.75	156	178730	51.97	ug/l	98
78) n-propylbenzene	12.81	91	877843	53.74	ug/l	100
79) 2-Chlorotoluene	12.90	91	487509	53.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	630960	53.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	27421	43.18	ug/l	97
82) 4-Chlorotoluene	12.99	91	506762	52.71	ug/l	100
83) tert-Butylbenzene	13.21	119	570841	53.90	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	638437	53.30	ug/l	100
85) sec-Butylbenzene	13.39	105	810478	54.17	ug/l	100
86) p-Isopropyltoluene	13.51	119	734128	54.25	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	362619	52.98	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	353936	51.94	ug/l	100
89) n-Butylbenzene	13.83	91	670224	54.16	ug/l	100
90) Hexachloroethane	14.10	117	116005	50.61	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	312879	51.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16042	41.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	240995	51.30	ug/l	99
94) Hexachlorobutadiene	15.24	225	159899	54.19	ug/l	99
95) Naphthalene	15.38	128	372803	47.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	204109	50.24	ug/l	100

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

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