

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005077.D
 Acq On : 04 Sep 2018 13:25
 Operator : SY/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
 9/5/2018 10:02:11 AM

Quant Time: Sep 05 01:38:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	529737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	727688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	700111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	390322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	181038	41.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.46%	
35) Dibromofluoromethane	7.89	113	193375	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	10.33	98	960680	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	341477	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	200445	46.96	ug/l	97
3) Chloromethane	2.22	50	268059	43.27	ug/l	98
4) Vinyl Chloride	2.36	62	285264	47.35	ug/l	98
5) Bromomethane	2.77	94	188816	51.83	ug/l	98
6) Chloroethane	2.92	64	171980	45.87	ug/l	100
7) Trichlorofluoromethane	3.26	101	334831	49.41	ug/l	99
8) Diethyl Ether	3.69	74	107272	43.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	231895	49.82	ug/l	99
10) Methyl Iodide	4.28	142	318938	46.17	ug/l	99
11) Tert butyl alcohol	5.20	59	66441	275.38	ug/l	99
12) 1,1-Dichloroethene	4.04	96	211986	49.49	ug/l	99
13) Acrolein	3.90	56	69826	244.98	ug/l	98
14) Allyl chloride	4.68	41	314127	46.91	ug/l	99
15) Acrylonitrile	5.38	53	236621	228.80	ug/l	100
16) Acetone	4.14	43	200548	227.72	ug/l	99
17) Carbon Disulfide	4.39	76	735427	49.27	ug/l	100
18) Methyl Acetate	4.68	43	105405	40.69	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	496100	47.70	ug/l	98
20) Methylene Chloride	4.92	84	322217	54.51	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	243824	46.72	ug/l	97
22) Diisopropyl ether	6.32	45	653428	46.37	ug/l	98
23) Vinyl Acetate	6.26	43	1790210	241.89	ug/l	100
24) 1,1-Dichloroethane	6.22	63	394721	44.82	ug/l	99
25) 2-Butanone	7.18	43	337208	220.76	ug/l	100
26) 2,2-Dichloropropane	7.17	77	370830	51.24	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	264007	46.24	ug/l	100
28) Bromochloromethane	7.52	49	171590	48.41	ug/l	94
29) Tetrahydrofuran	7.53	42	173833	222.72	ug/l	97
30) Chloroform	7.68	83	400772	44.59	ug/l	96
31) Cyclohexane	7.96	56	415473	48.17	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	380053	48.55	ug/l	99
36) 1,1-Dichloropropene	8.09	75	359969	51.94	ug/l	99
37) Ethyl Acetate	7.26	43	124418	48.00	ug/l	100
38) Carbon Tetrachloride	8.07	117	346870	52.64	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	463499	55.30	ug/l	98
40) Benzene	8.33	78	1048987	49.44	ug/l	99
41) Methacrylonitrile	7.49	41	68214	45.42	ug/l	90
42) 1,2-Dichloroethane	8.40	62	238410	45.91	ug/l	99
43) Isopropyl Acetate	8.43	43	229821	48.73	ug/l	98
44) Trichloroethene	9.10	130	292723	51.14	ug/l	96
45) 1,2-Dichloropropane	9.37	63	245848	47.43	ug/l	100
46) Dibromomethane	9.46	93	116068	46.83	ug/l	98
47) Bromodichloromethane	9.65	83	300541	48.16	ug/l	100
48) Methyl methacrylate	9.44	41	115035	50.65	ug/l	96
49) 1,4-Dioxane	9.47	88	43121	1075.88	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	809721	256.17	ug/l	98
52) Toluene	10.39	92	750305	52.19	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	320917	52.33	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	380947	51.08	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	187158	48.77	ug/l	99
56) Ethyl methacrylate	10.65	69	239754	54.77	ug/l	97
57) 1,3-Dichloropropane	10.94	76	308153	48.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	545891	263.15	ug/l	98
59) 2-Hexanone	10.98	43	582690	272.55	ug/l	98
60) Dibromochloromethane	11.13	129	218021	50.26	ug/l	99
61) 1,2-Dibromoethane	11.24	107	171138	49.40	ug/l	99
64) Tetrachloroethene	10.87	164	285649	52.00	ug/l	97
65) Chlorobenzene	11.66	112	824045	52.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	249079	51.71	ug/l	99
67) Ethyl Benzene	11.74	91	1451141	54.46	ug/l	99
68) m/p-Xylenes	11.85	106	1178426	110.46	ug/l	99
69) o-Xylene	12.17	106	541594	54.91	ug/l	99
70) Styrene	12.19	104	895309	54.95	ug/l	100
71) Bromoform	12.35	173	134104	52.53	ug/l #	98
73) Isopropylbenzene	12.47	105	1487106	54.03	ug/l	99
74) N-amyl acetate	12.28	43	250731	52.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	207268	49.47	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	137821m	47.04	ug/l	
77) Bromobenzene	12.75	156	348788	51.43	ug/l	98
78) n-propylbenzene	12.81	91	1791696	53.93	ug/l	99
79) 2-Chlorotoluene	12.90	91	1005921	51.90	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1273643	53.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	66959	55.01	ug/l	98
82) 4-Chlorotoluene	12.99	91	1055093	51.55	ug/l	99
83) tert-Butylbenzene	13.21	119	1091532	54.92	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1297722	53.54	ug/l	100
85) sec-Butylbenzene	13.39	105	1574710	53.91	ug/l	100
86) p-Isopropyltoluene	13.51	119	1427408	55.21	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	718010	51.54	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	713191	51.61	ug/l	100
89) n-Butylbenzene	13.83	91	1327581	55.40	ug/l	100
90) Hexachloroethane	14.10	117	221904	51.67	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	632640	52.11	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	33797	51.62	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	464516	57.06	ug/l	100
94) Hexachlorobutadiene	15.25	225	285999	56.48	ug/l	99
95) Naphthalene	15.38	128	764024	53.95	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	400414	57.47	ug/l	100

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

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