

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005576.D
 Acq On : 24 Sep 2018 11:04
 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
 9/25/2018 11:54:26 AM

Quant Time: Sep 24 16:15:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	233919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	124824	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	7.89	113	106358	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.33	98	451252	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.63	95	159676	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	83139	59.731	ug/l	94
3) Chloromethane	2.22	50	88450	47.038	ug/l	98
4) Vinyl Chloride	2.37	62	116719	51.929	ug/l	100
5) Bromomethane	2.79	94	76310	50.238	ug/l	97
6) Chloroethane	2.93	64	73394	50.888	ug/l	99
7) Trichlorofluoromethane	3.27	101	107910	61.384	ug/l	95
8) Diethyl Ether	3.68	74	51491	44.839	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	116585	52.390	ug/l	99
10) Methyl Iodide	4.27	142	167702	49.003	ug/l	100
11) Tert butyl alcohol	5.22	59	31975	224.483	ug/l	97
12) 1,1-Dichloroethene	4.04	96	104423	49.015	ug/l	94
13) Acrolein	3.90	56	25396	268.349	ug/l	97
14) Allyl chloride	4.67	41	176565	47.489	ug/l	98
15) Acrylonitrile	5.38	53	107145	210.147	ug/l	100
16) Acetone	4.14	43	112182	259.298	ug/l	98
17) Carbon Disulfide	4.38	76	327160	49.150	ug/l	99
18) Methyl Acetate	4.68	43	53228	40.753	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	155948	47.425	ug/l	99
20) Methylene Chloride	4.92	84	111273	48.025	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	114886	49.235	ug/l	100
22) Diisopropyl ether	6.32	45	343331	47.569	ug/l	100
23) Vinyl Acetate	6.26	43	949722	230.216	ug/l	99
24) 1,1-Dichloroethane	6.22	63	212340	47.617	ug/l	99
25) 2-Butanone	7.18	43	135363	202.245	ug/l	99
26) 2,2-Dichloropropane	7.17	77	159940	51.376	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	123570	48.013	ug/l	99
28) Bromochloromethane	7.52	49	76572	43.350	ug/l	96
29) Tetrahydrofuran	7.54	42	85332	204.077	ug/l	99
30) Chloroform	7.68	83	222304	48.287	ug/l	100
31) Cyclohexane	7.96	56	206618	48.362	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	208790	51.338	ug/l	99
36) 1,1-Dichloropropene	8.09	75	179948	52.540	ug/l	100
37) Ethyl Acetate	7.26	43	59996	41.626	ug/l	98
38) Carbon Tetrachloride	8.07	117	198586	54.108	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	219312	54.273	ug/l	99
40) Benzene	8.33	78	485473	50.027	ug/l	98
41) Methacrylonitrile	7.49	41	39403	48.042	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149844	48.229	ug/l	99
43) Isopropyl Acetate	8.43	43	122966	43.393	ug/l	99
44) Trichloroethene	9.10	130	129272	52.043	ug/l	96
45) 1,2-Dichloropropane	9.37	63	116966	48.993	ug/l	100
46) Dibromomethane	9.46	93	56517	47.379	ug/l	97
47) Bromodichloromethane	9.65	83	159928	49.909	ug/l	100
48) Methyl methacrylate	9.45	41	61730	45.863	ug/l	96
49) 1,4-Dioxane	9.48	88	18615	981.534	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	309046	216.531	ug/l	100
52) Toluene	10.40	92	317043	52.360	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	162673	50.640	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	186698	51.872	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80549	47.570	ug/l	98
56) Ethyl methacrylate	10.65	69	100642	48.148	ug/l	99
57) 1,3-Dichloropropane	10.94	76	140778	46.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	227551	240.153	ug/l	97
59) 2-Hexanone	10.98	43	218084	224.927	ug/l	100
60) Dibromochloromethane	11.13	129	102676	50.186	ug/l	99
61) 1,2-Dibromoethane	11.24	107	74661	47.292	ug/l	97
64) Tetrachloroethene	10.87	164	113625	52.273	ug/l	98
65) Chlorobenzene	11.66	112	337555	51.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	122616	52.400	ug/l	99
67) Ethyl Benzene	11.74	91	623385	54.017	ug/l	100
68) m/p-Xylenes	11.85	106	479889	110.066	ug/l	99
69) o-Xylene	12.18	106	220535	54.009	ug/l	99
70) Styrene	12.19	104	369053	53.706	ug/l	100
71) Bromoform	12.35	173	61500	49.513	ug/l #	99
73) Isopropylbenzene	12.48	105	644049	56.441	ug/l	100
74) N-amyl acetate	12.28	43	116275	45.000	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	88243	46.557	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	66627m	47.500	ug/l	
77) Bromobenzene	12.76	156	138002	51.599	ug/l	96
78) n-propylbenzene	12.81	91	778765	56.370	ug/l	99
79) 2-Chlorotoluene	12.90	91	434280	54.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	557549	56.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	30038	48.233	ug/l	98
82) 4-Chlorotoluene	13.00	91	461375	54.633	ug/l	99
83) tert-Butylbenzene	13.21	119	494397	59.309	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	562198	56.147	ug/l	98
85) sec-Butylbenzene	13.39	105	692165	57.252	ug/l	100
86) p-Isopropyltoluene	13.51	119	627590	57.915	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	293601	53.687	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	285851	52.556	ug/l	100
89) n-Butylbenzene	13.83	91	593913	58.106	ug/l	99
90) Hexachloroethane	14.10	117	108199	55.089	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	254820	52.783	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16599	45.965	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	187673	54.495	ug/l	100
94) Hexachlorobutadiene	15.25	225	126602	56.745	ug/l	99
95) Naphthalene	15.38	128	299832	51.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	159840	52.666	ug/l	98

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

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