

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015250.D
 Acq On : 21 Apr 2020 09:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:42:30 AM

Quant Time: Apr 22 06:21:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	86782	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
35) Dibromofluoromethane	7.88	113	87456	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	10.32	98	373793	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.62	95	145953	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	87543	46.637	ug/l	98
3) Chloromethane	2.21	50	96493	47.204	ug/l	99
4) Vinyl Chloride	2.36	62	116545	48.281	ug/l	99
5) Bromomethane	2.77	94	85001	49.526	ug/l	92
6) Chloroethane	2.92	64	68786	45.940	ug/l	99
7) Trichlorofluoromethane	3.26	101	154044	45.098	ug/l	98
8) Diethyl Ether	3.69	74	42895	44.740	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	93336	44.310	ug/l	92
10) Methyl Iodide	4.28	142	112771	50.972	ug/l	98
11) Tert butyl alcohol	5.18	59	26479	167.110	ug/l	99
12) 1,1-Dichloroethene	4.04	96	91026	44.896	ug/l	94
13) Acrolein	3.90	56	21834	263.270	ug/l	100
14) Allyl chloride	4.67	41	117561	43.708	ug/l #	85
15) Acrylonitrile	5.37	53	79212	217.101	ug/l	99
16) Acetone	4.13	43	75980	223.792	ug/l	97
17) Carbon Disulfide	4.39	76	275609	45.743	ug/l	98
18) Methyl Acetate	4.68	43	36849	41.003	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	207068	44.490	ug/l	97
20) Methylene Chloride	4.92	84	98276	44.167	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	104054	45.252	ug/l	93
22) Diisopropyl ether	6.31	45	234770	45.499	ug/l	93
23) Vinyl Acetate	6.26	43	672129	221.975	ug/l	95
24) 1,1-Dichloroethane	6.22	63	161014	45.025	ug/l	98
25) 2-Butanone	7.17	43	98319	218.273	ug/l	90
26) 2,2-Dichloropropane	7.17	77	164923	43.837	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	113892	45.879	ug/l	98
28) Bromochloromethane	7.51	49	59147	45.491	ug/l #	72
29) Tetrahydrofuran	7.53	42	58060	206.890	ug/l	87
30) Chloroform	7.68	83	175923	45.581	ug/l	100
31) Cyclohexane	7.95	56	147906	41.146	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	166106	44.592	ug/l	99
36) 1,1-Dichloropropene	8.08	75	138245	45.975	ug/l	98
37) Ethyl Acetate	7.26	43	42628	43.681	ug/l	98
38) Carbon Tetrachloride	8.07	117	151621	46.141	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	178476	44.594	ug/l	97
40) Benzene	8.32	78	381168	47.454	ug/l	96
41) Methacrylonitrile	7.49	41	27341	46.693	ug/l	96
42) 1,2-Dichloroethane	8.40	62	109789	46.430	ug/l	100
43) Isopropyl Acetate	8.42	43	89361	43.659	ug/l	93
44) Trichloroethene	9.09	130	118613	48.276	ug/l	92
45) 1,2-Dichloropropane	9.37	63	87344	46.760	ug/l	100
46) Dibromomethane	9.46	93	50109	46.374	ug/l #	86
47) Bromodichloromethane	9.64	83	134684	46.627	ug/l	99
48) Methyl methacrylate	9.43	41	41994	43.401	ug/l #	84
49) 1,4-Dioxane	9.45	88	11906	826.533	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	210934	219.538	ug/l	96
52) Toluene	10.38	92	275483	49.005	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	132989	46.693	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	155339	46.922	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	68453	45.242	ug/l	99
56) Ethyl methacrylate	10.65	69	90642	46.503	ug/l	93
57) 1,3-Dichloropropane	10.93	76	115585	46.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	197751	218.832	ug/l	90
59) 2-Hexanone	10.97	43	159100	231.971	ug/l	96
60) Dibromochloromethane	11.13	129	95869	47.989	ug/l	100
61) 1,2-Dibromoethane	11.23	107	69033	46.759	ug/l	100
64) Tetrachloroethene	10.86	164	109298	48.350	ug/l	94
65) Chlorobenzene	11.66	112	303335	48.805	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	109748	49.129	ug/l	97
67) Ethyl Benzene	11.73	91	558809	48.212	ug/l	100
68) m/p-Xylenes	11.83	106	444778	97.898	ug/l	99
69) o-Xylene	12.16	106	208412	49.146	ug/l	99
70) Styrene	12.18	104	361109	49.956	ug/l	98
71) Bromoform	12.35	173	59543	47.306	ug/l #	98
73) Isopropylbenzene	12.46	105	569772	46.046	ug/l	100
74) N-amyl acetate	12.27	43	92732	43.076	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	75548	43.001	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	61355m	44.439	ug/l	
77) Bromobenzene	12.74	156	136551	48.032	ug/l	83
78) n-propylbenzene	12.80	91	662761	46.001	ug/l	96
79) 2-Chlorotoluene	12.89	91	380299	46.838	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	493363	46.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	27663	43.799	ug/l	94
82) 4-Chlorotoluene	12.99	91	405849	47.078	ug/l	98
83) tert-Butylbenzene	13.21	119	434175	46.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	486429	46.267	ug/l	100
85) sec-Butylbenzene	13.38	105	583523	45.353	ug/l	97
86) p-Isopropyltoluene	13.50	119	555287	46.446	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	271474	48.060	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	267015	48.223	ug/l	97
89) n-Butylbenzene	13.82	91	491848	45.010	ug/l	97
90) Hexachloroethane	14.09	117	100400	45.792	ug/l	71
91) 1,2-Dichlorobenzene	13.87	146	234295	47.732	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14013	44.074	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163134	47.814	ug/l	98
94) Hexachlorobutadiene	15.23	225	109301	48.051	ug/l	97
95) Naphthalene	15.36	128	254725	46.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	132622	47.775	ug/l	97

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

