

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\
 Data File : VW016203.D
 Acq On : 14 Aug 2020 20:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:46:40 PM

Quant Time: Aug 17 09:07:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131021	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.88	113	134277	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.32	98	527716	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.62	95	193588	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	96589	54.042	ug/l	93
3) Chloromethane	2.21	50	97850	51.420	ug/l	95
4) Vinyl Chloride	2.37	62	133791	50.231	ug/l	97
5) Bromomethane	2.78	94	92609	55.921	ug/l	100
6) Chloroethane	2.93	64	80919	53.796	ug/l	95
7) Trichlorofluoromethane	3.26	101	98467	45.665	ug/l	97
8) Diethyl Ether	3.68	74	75963	56.139	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	138664	49.041	ug/l	99
10) Methyl Iodide	4.26	142	213396	52.233	ug/l	99
11) Tert butyl alcohol	5.18	59	46955	344.227	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	144718	50.295	ug/l	99
13) Acrolein	3.89	56	48667	246.987	ug/l	97
14) Allyl chloride	4.67	41	209678	54.387	ug/l	99
15) Acrylonitrile	5.37	53	159379	312.593	ug/l	99
16) Acetone	4.12	43	127633	259.947	ug/l	99
17) Carbon Disulfide	4.37	76	420007	49.713	ug/l	100
18) Methyl Acetate	4.67	43	68378	59.804	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	216577	61.128	ug/l	98
20) Methylene Chloride	4.91	84	177672	59.159	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160257	51.145	ug/l	97
22) Diisopropyl ether	6.31	45	412076	56.698	ug/l	98
23) Vinyl Acetate	6.26	43	1251193	300.648	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262425	51.733	ug/l	99
25) 2-Butanone	7.17	43	193995	294.816	ug/l	98
26) 2,2-Dichloropropane	7.17	77	150173	45.830	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	175400	54.231	ug/l	98
28) Bromochloromethane	7.51	49	103998	54.038	ug/l	100
29) Tetrahydrofuran	7.53	42	128192	325.904	ug/l	100
30) Chloroform	7.68	83	270604	51.342	ug/l	96
31) Cyclohexane	7.95	56	231867	49.572	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	222444	50.234	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212520	47.722	ug/l	99
37) Ethyl Acetate	7.26	43	88696	58.091	ug/l	99
38) Carbon Tetrachloride	8.07	117	208949	47.017	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	275493	51.358	ug/l	99
40) Benzene	8.32	78	618850	49.397	ug/l	99
41) Methacrylonitrile	7.48	41	54453	62.489	ug/l	97
42) 1,2-Dichloroethane	8.40	62	166952	50.458	ug/l	98
43) Isopropyl Acetate	8.43	43	170213	59.255	ug/l	99
44) Trichloroethene	9.09	130	163902	46.193	ug/l	98
45) 1,2-Dichloropropane	9.37	63	150797	51.062	ug/l	98
46) Dibromomethane	9.46	93	81018	52.255	ug/l	97
47) Bromodichloromethane	9.65	83	204302	51.002	ug/l	96
48) Methyl methacrylate	9.44	41	79254	59.349	ug/l	99
49) 1,4-Dioxane	9.45	88	25749	1318.901	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	436017	300.113	ug/l	99
52) Toluene	10.39	92	398037	49.617	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	200458	54.046	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	243855	52.900	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	116907	52.551	ug/l	99
56) Ethyl methacrylate	10.65	69	155354	61.236	ug/l	99
57) 1,3-Dichloropropane	10.93	76	199653	52.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	294213	254.359	ug/l	100
59) 2-Hexanone	10.97	43	297306	299.131	ug/l	98
60) Dibromochloromethane	11.13	129	138948	52.504	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115058	53.727	ug/l	99
64) Tetrachloroethene	10.87	164	132729	49.397	ug/l	91
65) Chlorobenzene	11.66	112	426623	50.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	148468	50.605	ug/l	99
67) Ethyl Benzene	11.73	91	774675	51.355	ug/l	100
68) m/p-Xylenes	11.84	106	590583	101.858	ug/l	100
69) o-Xylene	12.17	106	277360	53.694	ug/l	100
70) Styrene	12.18	104	476096	53.263	ug/l	100
71) Bromoform	12.35	173	73947	56.318	ug/l #	94
73) Isopropylbenzene	12.46	105	746600	51.281	ug/l	100
74) N-amyl acetate	12.27	43	160289	61.477	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	131356	53.919	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	90712m	51.626	ug/l	
77) Bromobenzene	12.75	156	166207	51.613	ug/l	98
78) n-propylbenzene	12.80	91	891910	51.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	513959	51.198	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	642096	51.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	42444	57.941	ug/l	96
82) 4-Chlorotoluene	12.99	91	525638	50.296	ug/l	99
83) tert-Butylbenzene	13.21	119	535470	52.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	646145	52.246	ug/l	98
85) sec-Butylbenzene	13.38	105	770095	51.729	ug/l	100
86) p-Isopropyltoluene	13.50	119	704321	52.308	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	316540	49.083	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	326676	51.442	ug/l	98
89) n-Butylbenzene	13.82	91	657240	52.762	ug/l	99
90) Hexachloroethane	14.09	117	128476	51.128	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	285707	50.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22138	59.115	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	199351	59.456	ug/l	100
94) Hexachlorobutadiene	15.24	225	106062	53.206	ug/l	98
95) Naphthalene	15.36	128	406489	57.262	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	174769	60.696	ug/l	97

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

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