

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011486.D
 Acq On : 24 Jul 2019 20:10
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 8:18:15 AM

Quant Time: Jul 25 05:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127028	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	7.88	113	103465	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.32	98	418168	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.62	95	153225	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61496	36.628	ug/l	95
3) Chloromethane	2.21	50	96824	44.756	ug/l	96
4) Vinyl Chloride	2.36	62	123365	43.567	ug/l	98
5) Bromomethane	2.76	94	61074	42.924	ug/l	96
6) Chloroethane	2.91	64	69207	45.377	ug/l	94
7) Trichlorofluoromethane	3.24	101	53073	52.761	ug/l	99
8) Diethyl Ether	3.68	74	62992	45.258	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106863	44.351	ug/l	100
10) Methyl Iodide	4.27	142	154126	46.509	ug/l	98
11) Tert butyl alcohol	5.17	59	48008	229.237	ug/l	98
12) 1,1-Dichloroethene	4.04	96	113569	45.413	ug/l	94
13) Acrolein	3.88	56	38423	230.404	ug/l	99
14) Allyl chloride	4.66	41	227533	49.894	ug/l	97
15) Acrylonitrile	5.36	53	169666	239.354	ug/l	100
16) Acetone	4.12	43	171938	252.624	ug/l	97
17) Carbon Disulfide	4.38	76	317638	41.896	ug/l	99
18) Methyl Acetate	4.67	43	89083	45.911	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	181921	47.943	ug/l	100
20) Methylene Chloride	4.92	84	131055	48.811	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	119243	45.888	ug/l	95
22) Diisopropyl ether	6.31	45	456594	46.551	ug/l	98
23) Vinyl Acetate	6.25	43	1456164	239.889	ug/l	100
24) 1,1-Dichloroethane	6.21	63	240461	46.687	ug/l	99
25) 2-Butanone	7.16	43	255962	239.580	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125904	47.026	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	131607	46.950	ug/l	99
28) Bromochloromethane	7.51	49	100484	42.906	ug/l #	98
29) Tetrahydrofuran	7.52	42	162289	231.661	ug/l	100
30) Chloroform	7.67	83	219402	45.997	ug/l	98
31) Cyclohexane	7.96	56	233927	42.692	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	167587	46.187	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178866	46.316	ug/l	100
37) Ethyl Acetate	7.25	43	107765	46.444	ug/l	100
38) Carbon Tetrachloride	8.07	117	151993	46.427	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216144	46.177	ug/l	99
40) Benzene	8.32	78	504275	47.249	ug/l	99
41) Methacrylonitrile	7.48	41	68012	51.250	ug/l	92
42) 1,2-Dichloroethane	8.40	62	157587	45.517	ug/l	99
43) Isopropyl Acetate	8.42	43	204261	46.627	ug/l	100
44) Trichloroethene	9.09	130	122638	47.750	ug/l	99
45) 1,2-Dichloropropane	9.37	63	137286	47.501	ug/l	99
46) Dibromomethane	9.46	93	63685	46.908	ug/l	97
47) Bromodichloromethane	9.65	83	161762	46.567	ug/l	98
48) Methyl methacrylate	9.43	41	99278	47.106	ug/l	98
49) 1,4-Dioxane	9.44	88	21442	946.185	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	546116	238.647	ug/l	100
52) Toluene	10.39	92	309557	47.814	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167634	45.336	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	200428	46.051	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90505	46.990	ug/l	97
56) Ethyl methacrylate	10.65	69	138547	47.248	ug/l	96
57) 1,3-Dichloropropane	10.93	76	168674	46.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	334477	246.041	ug/l	99
59) 2-Hexanone	10.97	43	377762	238.036	ug/l	99
60) Dibromochloromethane	11.13	129	98487	46.631	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85190	46.695	ug/l	100
64) Tetrachloroethene	10.86	164	102331	47.429	ug/l	97
65) Chlorobenzene	11.66	112	309074	47.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	109416	47.802	ug/l	98
67) Ethyl Benzene	11.73	91	598266	48.073	ug/l	98
68) m/p-Xylenes	11.84	106	438612	97.403	ug/l	98
69) o-Xylene	12.16	106	204358	48.150	ug/l	99
70) Styrene	12.18	104	360512	49.218	ug/l	99
71) Bromoform	12.35	173	56859	46.721	ug/l #	98
73) Isopropylbenzene	12.46	105	569743	48.802	ug/l	100
74) N-amyl acetate	12.27	43	188201	46.287	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	110453	46.155	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78510m	43.501	ug/l	
77) Bromobenzene	12.75	156	124670	47.585	ug/l	98
78) n-propylbenzene	12.80	91	692468	48.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	397733	48.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	476078	48.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35675	44.709	ug/l	97
82) 4-Chlorotoluene	12.99	91	414801	48.122	ug/l	100
83) tert-Butylbenzene	13.21	119	404051	48.848	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	476792	47.876	ug/l	100
85) sec-Butylbenzene	13.38	105	571440	47.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	517845	48.373	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	240324	47.676	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	239130	47.110	ug/l	100
89) n-Butylbenzene	13.82	91	516455	48.361	ug/l	99
90) Hexachloroethane	14.09	117	90231	46.125	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	215279	47.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19002	44.765	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	156662	49.737	ug/l	99
94) Hexachlorobutadiene	15.24	225	95206	49.233	ug/l	99
95) Naphthalene	15.37	128	298665	49.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	137537	49.476	ug/l	99

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

