

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008878.D
 Acq On : 28 Feb 2019 10:44
 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
 3/1/2019 2:56:47 PM

Quant Time: Mar 01 08:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136442	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	7.88	113	132036	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.32	98	554496	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.62	95	204224	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	158916	49.193	ug/l	98
3) Chloromethane	2.21	50	200019	50.865	ug/l	95
4) Vinyl Chloride	2.36	62	201573	48.414	ug/l	98
5) Bromomethane	2.77	94	191767	62.011	ug/l	98
6) Chloroethane	2.92	64	143396	48.502	ug/l	98
7) Trichlorofluoromethane	3.26	101	267565	50.812	ug/l	97
8) Diethyl Ether	3.68	74	72539	43.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159683	49.937	ug/l	99
10) Methyl Iodide	4.27	142	192091	48.039	ug/l	100
11) Tert butyl alcohol	5.19	59	43676	162.173	ug/l	99
12) 1,1-Dichloroethene	4.04	96	144646	51.220	ug/l	96
13) Acrolein	3.90	56	59549	212.822	ug/l	98
14) Allyl chloride	4.67	41	244327	50.128	ug/l	98
15) Acrylonitrile	5.37	53	148261	207.224	ug/l	99
16) Acetone	4.14	43	158637	226.237	ug/l	97
17) Carbon Disulfide	4.38	76	456997	48.773	ug/l	99
18) Methyl Acetate	4.68	43	68157m	40.980	ug/l	
19) Methyl tert-butyl Ether	5.42	73	333103	43.578	ug/l	98
20) Methylene Chloride	4.92	84	163234	46.944	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	158718	48.587	ug/l	94
22) Diisopropyl ether	6.31	45	469541	48.292	ug/l	99
23) Vinyl Acetate	6.26	43	1338635	222.834	ug/l	99
24) 1,1-Dichloroethane	6.21	63	276354	49.050	ug/l	99
25) 2-Butanone	7.18	43	206745	210.895	ug/l	96
26) 2,2-Dichloropropane	7.17	77	262142	51.248	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	171020	48.942	ug/l	99
28) Bromochloromethane	7.51	49	104379	44.271	ug/l	99
29) Tetrahydrofuran	7.53	42	122916	196.750	ug/l	99
30) Chloroform	7.67	83	283650	49.074	ug/l	97
31) Cyclohexane	7.95	56	277122	48.591	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	266037	50.613	ug/l	98
36) 1,1-Dichloropropene	8.08	75	236738	54.542	ug/l	100
37) Ethyl Acetate	7.25	43	83797	41.516	ug/l	97
38) Carbon Tetrachloride	8.07	117	242317	52.937	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	291992	53.933	ug/l	96
40) Benzene	8.32	78	625439	52.776	ug/l	98
41) Methacrylonitrile	7.49	41	47838	40.321	ug/l	98
42) 1,2-Dichloroethane	8.40	62	180254	48.016	ug/l	100
43) Isopropyl Acetate	8.43	43	171245	42.510	ug/l	99
44) Trichloroethene	9.09	130	177683	53.223	ug/l	99
45) 1,2-Dichloropropane	9.37	63	148103	50.573	ug/l	99
46) Dibromomethane	9.46	93	77857	47.796	ug/l	96
47) Bromodichloromethane	9.64	83	201457	50.831	ug/l	97
48) Methyl methacrylate	9.43	41	86237	44.698	ug/l	98
49) 1,4-Dioxane	9.46	88	22386	858.162	ug/l #	70
51) 4-Methyl-2-Pentanone	10.21	43	436542	213.448	ug/l	100
52) Toluene	10.38	92	440440	54.762	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	200275	49.578	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	237806	51.616	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	104833	47.455	ug/l	96
56) Ethyl methacrylate	10.65	69	135422	47.184	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185643	47.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	322483	223.404	ug/l	99
59) 2-Hexanone	10.97	43	328500	225.641	ug/l	100
60) Dibromochloromethane	11.13	129	133132	49.409	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101221	46.290	ug/l	99
64) Tetrachloroethene	10.86	164	162950	54.336	ug/l	96
65) Chlorobenzene	11.66	112	474930	53.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	155133	52.081	ug/l	99
67) Ethyl Benzene	11.73	91	880918	55.937	ug/l	100
68) m/p-Xylenes	11.84	106	691943	109.968	ug/l	100
69) o-Xylene	12.16	106	320985	54.349	ug/l	99
70) Styrene	12.18	104	514955	54.196	ug/l	99
71) Bromoform	12.35	173	75258	47.003	ug/l	99
73) Isopropylbenzene	12.46	105	891689	57.483	ug/l	100
74) N-amyl acetate	12.27	43	181148	46.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117698	46.435	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	87040m	46.589	ug/l	
77) Bromobenzene	12.75	156	196508	53.607	ug/l	99
78) n-propylbenzene	12.80	91	1096619	57.792	ug/l	100
79) 2-Chlorotoluene	12.90	91	603097	55.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	754195	55.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37366	48.623	ug/l	94
82) 4-Chlorotoluene	12.99	91	625920	55.133	ug/l	99
83) tert-Butylbenzene	13.21	119	659950	56.618	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	762771	54.661	ug/l	100
85) sec-Butylbenzene	13.38	105	962928	57.453	ug/l	100
86) p-Isopropyltoluene	13.50	119	865298	56.317	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	411016	54.042	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	399958	53.357	ug/l	100
89) n-Butylbenzene	13.83	91	825500	57.348	ug/l	100
90) Hexachloroethane	14.10	117	145017	57.654	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	351324	51.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20353	44.390	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	259460	53.139	ug/l	100
94) Hexachlorobutadiene	15.24	225	168890	58.722	ug/l	99
95) Naphthalene	15.37	128	395688	47.596	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	215723	51.098	ug/l	99

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

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