

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009039.D
 Acq On : 07 Mar 2019 14:46
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW030719

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:35 PM

Quant Time: Mar 08 05:57:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148368	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	134555	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	585000	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.62	95	219692	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	143634	46.720	ug/l	99
3) Chloromethane	2.21	50	186221	47.682	ug/l	99
4) Vinyl Chloride	2.35	62	190826	48.147	ug/l	96
5) Bromomethane	2.76	94	154592	46.207	ug/l	97
6) Chloroethane	2.91	64	137440	48.710	ug/l	99
7) Trichlorofluoromethane	3.25	101	243626	47.740	ug/l	99
8) Diethyl Ether	3.68	74	70330	45.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	151220	47.578	ug/l	99
10) Methyl Iodide	4.27	142	175554	50.861	ug/l	99
11) Tert butyl alcohol	5.19	59	50173	213.331	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	132526	48.339	ug/l	98
13) Acrolein	3.90	56	53962	208.506	ug/l	99
14) Allyl chloride	4.67	41	235557	48.709	ug/l	99
15) Acrylonitrile	5.37	53	157179	230.797	ug/l	99
16) Acetone	4.14	43	170803	246.620	ug/l	99
17) Carbon Disulfide	4.37	76	458070	49.659	ug/l	100
18) Methyl Acetate	4.68	43	69045	43.354	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	337720	46.566	ug/l	100
20) Methylene Chloride	4.91	84	159643	48.879	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	150173	47.438	ug/l	97
22) Diisopropyl ether	6.31	45	462157	48.089	ug/l	99
23) Vinyl Acetate	6.26	43	1393721	233.042	ug/l	98
24) 1,1-Dichloroethane	6.21	63	265736	47.671	ug/l	100
25) 2-Butanone	7.17	43	222881	232.858	ug/l	99
26) 2,2-Dichloropropane	7.16	77	253332	49.997	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	159389	46.881	ug/l	96
28) Bromochloromethane	7.51	49	108029	46.592	ug/l	100
29) Tetrahydrofuran	7.52	42	133560	221.429	ug/l	99
30) Chloroform	7.68	83	269903	47.030	ug/l	100
31) Cyclohexane	7.95	56	262277	45.823	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	253885	47.936	ug/l	99
36) 1,1-Dichloropropene	8.08	75	223706	50.166	ug/l	99
37) Ethyl Acetate	7.25	43	91208	43.544	ug/l	98
38) Carbon Tetrachloride	8.07	117	231229	50.209	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	277244	52.198	ug/l	98
40) Benzene	8.32	78	607681	51.048	ug/l	98
41) Methacrylonitrile	7.48	41	59391	51.060	ug/l	88
42) 1,2-Dichloroethane	8.40	62	181075	47.117	ug/l	100
43) Isopropyl Acetate	8.42	43	184681	47.340	ug/l	100
44) Trichloroethene	9.09	130	162707	48.767	ug/l	96
45) 1,2-Dichloropropane	9.37	63	146901	49.272	ug/l	98
46) Dibromomethane	9.46	93	76384	46.911	ug/l	98
47) Bromodichloromethane	9.64	83	196776	47.740	ug/l	99
48) Methyl methacrylate	9.44	41	87454	48.144	ug/l	92
49) 1,4-Dioxane	9.46	88	21870	937.957	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	484407	244.589	ug/l	100
52) Toluene	10.39	92	421398	52.197	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	203011	49.799	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	231715	49.462	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	104449	47.327	ug/l	97
56) Ethyl methacrylate	10.65	69	141889	51.803	ug/l	99
57) 1,3-Dichloropropane	10.93	76	187317	47.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	336504	236.988	ug/l	99
59) 2-Hexanone	10.97	43	360387	258.814	ug/l	99
60) Dibromochloromethane	11.13	129	132366	48.465	ug/l	100
61) 1,2-Dibromoethane	11.24	107	102786	47.508	ug/l	99
64) Tetrachloroethene	10.86	164	149928	50.327	ug/l	98
65) Chlorobenzene	11.66	112	460350	51.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	147690	49.193	ug/l	98
67) Ethyl Benzene	11.73	91	852843	52.503	ug/l	99
68) m/p-Xylenes	11.84	106	671569	104.742	ug/l	99
69) o-Xylene	12.16	106	312322	52.353	ug/l	98
70) Styrene	12.18	104	507086	52.536	ug/l	99
71) Bromoform	12.35	173	80267	49.793	ug/l #	96
73) Isopropylbenzene	12.46	105	872787	53.159	ug/l	100
74) N-amyl acetate	12.27	43	203810	52.437	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	127756	49.329	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	90523m	49.973	ug/l	
77) Bromobenzene	12.75	156	191625	51.081	ug/l	97
78) n-propylbenzene	12.80	91	1069768	52.898	ug/l	100
79) 2-Chlorotoluene	12.89	91	599120	52.729	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	741413	52.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40997	50.623	ug/l	97
82) 4-Chlorotoluene	12.99	91	627530	51.811	ug/l	99
83) tert-Butylbenzene	13.21	119	634285	53.141	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	758022	52.948	ug/l	99
85) sec-Butylbenzene	13.38	105	937485	53.012	ug/l	99
86) p-Isopropyltoluene	13.50	119	838039	52.973	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	404418	51.297	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	396951	50.948	ug/l	99
89) n-Butylbenzene	13.83	91	805051	53.529	ug/l	99
90) Hexachloroethane	14.10	117	139795	51.236	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	351811	50.578	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24330	52.746	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	239691	51.024	ug/l	100
94) Hexachlorobutadiene	15.24	225	149273	50.732	ug/l	99
95) Naphthalene	15.37	128	393197	51.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	204607	49.533	ug/l	100

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

