

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011933.D
 Acq On : 15 Aug 2019 17:26
 Operator : SY/VA
 Sample : VW0816SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:27:17 AM

Quant Time: Aug 16 04:42:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130373	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	105121	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	10.32	98	426001	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	12.62	95	149577	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27260	23.576	ug/l	92
3) Chloromethane	2.21	50	44008	21.950	ug/l	99
4) Vinyl Chloride	2.36	62	52707	21.836	ug/l	99
5) Bromomethane	2.76	94	27204	20.361	ug/l	92
6) Chloroethane	2.92	64	29205	21.181	ug/l	93
7) Trichlorofluoromethane	3.25	101	24103	22.343	ug/l	98
8) Diethyl Ether	3.68	74	25002	20.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44016	21.509	ug/l	100
10) Methyl Iodide	4.27	142	59802	20.679	ug/l	98
11) Tert butyl alcohol	5.16	59	16072	79.235	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45329	20.979	ug/l	97
13) Acrolein	3.89	56	11947	69.891	ug/l	95
14) Allyl chloride	4.67	41	95750	20.835	ug/l	98
15) Acrylonitrile	5.36	53	62681	102.660	ug/l	98
16) Acetone	4.12	43	59964	79.129	ug/l	97
17) Carbon Disulfide	4.39	76	138508	20.481	ug/l	98
18) Methyl Acetate	4.67	43	35271	20.718	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70625	20.598	ug/l	98
20) Methylene Chloride	4.91	84	53562	20.494	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49154	21.101	ug/l	95
22) Diisopropyl ether	6.31	45	183295	21.155	ug/l	95
23) Vinyl Acetate	6.25	43	548686	100.782	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98594	21.247	ug/l	99
25) 2-Butanone	7.17	43	87622	88.363	ug/l	100
26) 2,2-Dichloropropane	7.17	77	54473	19.088	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	53859	21.008	ug/l	99
28) Bromochloromethane	7.51	49	45914	22.292	ug/l #	99
29) Tetrahydrofuran	7.53	42	55885	98.595	ug/l	99
30) Chloroform	7.67	83	92014	21.493	ug/l	99
31) Cyclohexane	7.95	56	93298	20.946	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71921	22.060	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74915	21.205	ug/l	99
37) Ethyl Acetate	7.25	43	40128	19.742	ug/l	100
38) Carbon Tetrachloride	8.07	117	65195	21.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80855	20.784	ug/l	97
40) Benzene	8.32	78	207953	21.014	ug/l	100
41) Methacrylonitrile	7.49	41	23745	19.543	ug/l	98
42) 1,2-Dichloroethane	8.40	62	65541	21.154	ug/l	99
43) Isopropyl Acetate	8.43	43	74133	19.832	ug/l	99
44) Trichloroethene	9.09	130	49478	20.803	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56285	21.257	ug/l	99
46) Dibromomethane	9.46	93	24698	20.437	ug/l	99
47) Bromodichloromethane	9.65	83	66167	20.872	ug/l	100
48) Methyl methacrylate	9.43	41	35776	19.924	ug/l	98
49) 1,4-Dioxane	9.45	88	7525	430.036	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	191170	98.320	ug/l	100
52) Toluene	10.39	92	125167	20.945	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65620	19.816	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79316	20.144	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35396	20.643	ug/l	98
56) Ethyl methacrylate	10.65	69	49077	19.559	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66326	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	126863	111.356	ug/l	100
59) 2-Hexanone	10.97	43	131718	95.945	ug/l	99
60) Dibromochloromethane	11.13	129	39267	20.630	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31998	19.719	ug/l	98
64) Tetrachloroethene	10.86	164	40968	21.052	ug/l	95
65) Chlorobenzene	11.66	112	126901	21.119	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	43168	20.625	ug/l	97
67) Ethyl Benzene	11.73	91	239295	20.910	ug/l	100
68) m/p-Xylenes	11.84	106	175032	42.056	ug/l	100
69) o-Xylene	12.16	106	80308	20.765	ug/l	98
70) Styrene	12.18	104	139960	20.930	ug/l	100
71) Bromoform	12.35	173	21251	19.914	ug/l #	98
73) Isopropylbenzene	12.46	105	225302	20.906	ug/l	99
74) N-amyl acetate	12.27	43	68602	20.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41902	20.671	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29997m	19.625	ug/l	
77) Bromobenzene	12.75	156	50260	21.100	ug/l	98
78) n-propylbenzene	12.80	91	274273	20.912	ug/l	99
79) 2-Chlorotoluene	12.89	91	156839	20.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	194011	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12783	19.274	ug/l	93
82) 4-Chlorotoluene	12.99	91	167768	21.163	ug/l	100
83) tert-Butylbenzene	13.21	119	159881	21.164	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	191865	21.084	ug/l	99
85) sec-Butylbenzene	13.38	105	227590	21.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	206417	21.106	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	95941	20.542	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96613	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	202858	20.785	ug/l	99
90) Hexachloroethane	14.09	117	35382	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	85604	20.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7006	20.268	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	57180	19.641	ug/l	99
94) Hexachlorobutadiene	15.24	225	38931	21.443	ug/l	100
95) Naphthalene	15.36	128	98606	18.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50483	19.782	ug/l	100

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

