

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012219\
 Data File : VW008388.D
 Acq On : 22 Jan 2019 15:04
 Operator : SY/VA
 Sample : VW0122SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:42:29 AM

Quant Time: Jan 23 01:29:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	96257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	163776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	54784	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.88	113	53917	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.32	98	231837	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
62) 4-Bromofluorobenzene	12.62	95	80296	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11425	18.837	ug/l	99
3) Chloromethane	2.21	50	19610	22.056	ug/l	99
4) Vinyl Chloride	2.36	62	28056	24.697	ug/l	95
5) Bromomethane	2.78	94	24823	28.834	ug/l	93
6) Chloroethane	2.92	64	20273	27.265	ug/l	97
7) Trichlorofluoromethane	3.25	101	22481	26.952	ug/l	100
8) Diethyl Ether	3.67	74	10847	18.753	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20603m	21.216	ug/l	
10) Methyl Iodide	4.26	142	26378	16.842	ug/l	94
11) Tert butyl alcohol	5.20	59	5154	76.449	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	18053	18.278	ug/l	89
13) Acrolein	3.89	56	4456	69.611	ug/l	99
14) Allyl chloride	4.65	41	35716	21.631	ug/l	96
15) Acrylonitrile	5.37	53	22316	100.439	ug/l	98
16) Acetone	4.12	43	21407	92.059	ug/l	93
17) Carbon Disulfide	4.37	76	53920	17.941	ug/l #	95
18) Methyl Acetate	4.67	43	11656	18.765	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	28357	18.756	ug/l #	88
20) Methylene Chloride	4.90	84	23295	19.420	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	21732	19.591	ug/l	93
22) Diisopropyl ether	6.31	45	71655	22.228	ug/l	97
23) Vinyl Acetate	6.26	43	177225	102.849	ug/l #	93
24) 1,1-Dichloroethane	6.21	63	42917	21.865	ug/l	98
25) 2-Butanone	7.17	43	29487	99.005	ug/l	98
26) 2,2-Dichloropropane	7.17	77	27374	21.854	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	24357	20.266	ug/l	93
28) Bromochloromethane	7.51	49	17404	21.522	ug/l #	98
29) Tetrahydrofuran	7.53	42	18809	101.301	ug/l	95
30) Chloroform	7.67	83	43063	22.175	ug/l	97
31) Cyclohexane	7.95	56	39288	21.008	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	35442	21.746	ug/l	97
36) 1,1-Dichloropropene	8.08	75	34488	20.931	ug/l	99
37) Ethyl Acetate	7.26	43	14003	20.608	ug/l	96
38) Carbon Tetrachloride	8.06	117	32588	20.029	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39403	20.104	ug/l	94
40) Benzene	8.32	78	95402	20.440	ug/l	99
41) Methacrylonitrile	7.48	41	7223	18.261	ug/l	92
42) 1,2-Dichloroethane	8.40	62	26643	20.414	ug/l	97
43) Isopropyl Acetate	8.42	43	24852	19.363	ug/l	99
44) Trichloroethene	9.09	130	24722	19.333	ug/l	93
45) 1,2-Dichloropropane	9.37	63	25121	21.667	ug/l	97
46) Dibromomethane	9.45	93	12437	20.582	ug/l	87
47) Bromodichloromethane	9.64	83	31047	20.830	ug/l	97
48) Methyl methacrylate	9.43	41	11828	19.576	ug/l	97
49) 1,4-Dioxane	9.46	88	4086	420.046	ug/l #	65
51) 4-Methyl-2-Pentanone	10.21	43	62820	96.660	ug/l	96
52) Toluene	10.38	92	63505	21.500	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	29347	19.727	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	35462	20.221	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	17251	20.583	ug/l #	89
56) Ethyl methacrylate	10.65	69	18446	18.740	ug/l	92
57) 1,3-Dichloropropane	10.93	76	30437	20.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	51721	108.937	ug/l	99
59) 2-Hexanone	10.97	43	44117	96.883	ug/l	93
60) Dibromochloromethane	11.13	129	19579	19.574	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15864	19.547	ug/l	99
64) Tetrachloroethene	10.87	164	20641	18.683	ug/l	90
65) Chlorobenzene	11.66	112	69016	20.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	22365	18.907	ug/l	97
67) Ethyl Benzene	11.73	91	119794	20.074	ug/l	99
68) m/p-Xylenes	11.84	106	94714	40.891	ug/l	98
69) o-Xylene	12.16	106	41984	19.401	ug/l	93
70) Styrene	12.18	104	71553	20.585	ug/l	99
71) Bromoform	12.35	173	10609	18.004	ug/l #	98
73) Isopropylbenzene	12.47	105	121347	20.406	ug/l	97
74) N-amyl acetate	12.27	43	23160	18.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20559	20.326	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14947m	20.111	ug/l	
77) Bromobenzene	12.75	156	26114	18.283	ug/l	91
78) n-propylbenzene	12.81	91	150848	20.958	ug/l	97
79) 2-Chlorotoluene	12.90	91	84817	20.625	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	104692	21.098	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	5370	17.243	ug/l	91
82) 4-Chlorotoluene	12.99	91	89850	20.908	ug/l	94
83) tert-Butylbenzene	13.21	119	87156	19.956	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	108120	21.389	ug/l	95
85) sec-Butylbenzene	13.39	105	135180	21.557	ug/l	99
86) p-Isopropyltoluene	13.51	119	113864	20.790	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	55816	19.667	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	56158	19.751	ug/l	97
89) n-Butylbenzene	13.83	91	114338	21.764	ug/l	97
90) Hexachloroethane	14.10	117	21383	21.097	ug/l	85
91) 1,2-Dichlorobenzene	13.87	146	49901	19.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3255	19.681	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	30323	17.877	ug/l	98
94) Hexachlorobutadiene	15.24	225	18102	18.936	ug/l	94
95) Naphthalene	15.38	128	50008	17.549	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	26646	18.036	ug/l	99

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

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