

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
 Data File : VW008350.D
 Acq On : 18 Jan 2019 12:35
 Operator : SY/VA
 Sample : VW0118SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:09:40 AM

Quant Time: Jan 19 04:46:26 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	81946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47216	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	7.88	113	47587	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.32	98	203752	57.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.16%	
62) 4-Bromofluorobenzene	12.62	95	70059	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12206	23.639	ug/l	87
3) Chloromethane	2.21	50	16772	22.159	ug/l	96
4) Vinyl Chloride	2.36	62	23161	23.949	ug/l	92
5) Bromomethane	2.78	94	18834	25.698	ug/l	96
6) Chloroethane	2.93	64	16497	26.061	ug/l	96
7) Trichlorofluoromethane	3.25	101	17578	24.754	ug/l	89
8) Diethyl Ether	3.67	74	10009	20.327	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16984	20.544	ug/l	96
10) Methyl Iodide	4.26	142	23997	17.998	ug/l	96
11) Tert butyl alcohol	5.17	59	4304	74.990	ug/l #	93
12) 1,1-Dichloroethene	4.02	96	17175	20.426	ug/l	97
13) Acrolein	3.89	56	3721	68.429	ug/l	85
14) Allyl chloride	4.66	41	29528	21.006	ug/l	96
15) Acrylonitrile	5.37	53	18866	99.740	ug/l	97
16) Acetone	4.12	43	19184	96.906	ug/l	98
17) Carbon Disulfide	4.37	76	49753	19.446	ug/l	95
18) Methyl Acetate	4.67	43	10563	19.975	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	25059	19.469	ug/l #	89
20) Methylene Chloride	4.90	84	21269	21.104	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	19867	21.037	ug/l	91
22) Diisopropyl ether	6.31	45	60025	21.872	ug/l	96
23) Vinyl Acetate	6.25	43	153473	104.619	ug/l	97
24) 1,1-Dichloroethane	6.21	63	36028	21.561	ug/l	96
25) 2-Butanone	7.17	43	25088	98.946	ug/l	97
26) 2,2-Dichloropropane	7.16	77	23450	21.991	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21642	21.152	ug/l	96
28) Bromochloromethane	7.50	49	13269	19.274	ug/l #	98
29) Tetrahydrofuran	7.52	42	15193	96.116	ug/l	99
30) Chloroform	7.67	83	36282	21.946	ug/l	89
31) Cyclohexane	7.95	56	35077	22.032	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	30420	21.924	ug/l	96
36) 1,1-Dichloropropene	8.08	75	30413	21.422	ug/l	100
37) Ethyl Acetate	7.25	43	9449	16.140	ug/l #	90
38) Carbon Tetrachloride	8.06	117	28101	20.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35864	21.237	ug/l	95
40) Benzene	8.32	78	83103	20.664	ug/l	99
41) Methacrylonitrile	7.48	41	6364	18.673	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	22751	20.232	ug/l	98
43) Isopropyl Acetate	8.42	43	20078	18.156	ug/l	95
44) Trichloroethene	9.09	130	21010	19.069	ug/l	91
45) 1,2-Dichloropropane	9.37	63	21069	21.091	ug/l	98
46) Dibromomethane	9.46	93	9629	18.495	ug/l	94
47) Bromodichloromethane	9.65	83	26330	20.502	ug/l	92
48) Methyl methacrylate	9.44	41	9377	18.012	ug/l	95
49) 1,4-Dioxane	9.45	88	2853	340.400	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	51929	92.736	ug/l	97
52) Toluene	10.38	92	55430	21.780	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25582	19.958	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	31173	20.631	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14344	19.863	ug/l	95
56) Ethyl methacrylate	10.65	69	15338	18.086	ug/l	98
57) 1,3-Dichloropropane	10.93	76	24868	19.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	40004	97.791	ug/l	100
59) 2-Hexanone	10.97	43	37362	95.227	ug/l	96
60) Dibromochloromethane	11.13	129	16460	19.099	ug/l	100
61) 1,2-Dibromoethane	11.24	107	13493	19.296	ug/l	99
64) Tetrachloroethene	10.86	164	17700	19.039	ug/l	95
65) Chlorobenzene	11.66	112	58649	20.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	19412	19.502	ug/l	97
67) Ethyl Benzene	11.73	91	103659	20.643	ug/l	98
68) m/p-Xylenes	11.84	106	81595	41.863	ug/l	98
69) o-Xylene	12.17	106	37177	20.416	ug/l	100
70) Styrene	12.18	104	61955	21.182	ug/l	99
71) Bromoform	12.35	173	9108	18.368	ug/l #	98
73) Isopropylbenzene	12.47	105	105552	21.885	ug/l	99
74) N-amyl acetate	12.27	43	19682	19.042	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16356	19.938	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	13505m	22.404	ug/l	
77) Bromobenzene	12.75	156	21811	18.827	ug/l	90
78) n-propylbenzene	12.80	91	130365	22.332	ug/l	98
79) 2-Chlorotoluene	12.90	91	71411	21.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	88703	22.040	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4824	19.098	ug/l	94
82) 4-Chlorotoluene	12.99	91	76536	21.959	ug/l	97
83) tert-Butylbenzene	13.21	119	77358	21.838	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	89958	21.941	ug/l	99
85) sec-Butylbenzene	13.39	105	113026	22.223	ug/l	99
86) p-Isopropyltoluene	13.51	119	97858	22.030	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	46315	20.121	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	46847	20.315	ug/l	97
89) n-Butylbenzene	13.83	91	98005	23.001	ug/l	98
90) Hexachloroethane	14.10	117	17954	21.840	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	40620	19.988	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2562	19.099	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26324	19.135	ug/l	98
94) Hexachlorobutadiene	15.24	225	16118	20.789	ug/l	97
95) Naphthalene	15.38	128	42683	18.346	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	22320	18.627	ug/l	97

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

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