

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009151.D
 Acq On : 13 Mar 2019 12:15
 Operator : SY/VA
 Sample : VW0312SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD03

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:13:08 PM

Quant Time: Mar 13 13:44:19 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	292502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130523	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
35) Dibromofluoromethane	7.88	113	110936	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
50) Toluene-d8	10.32	98	456088	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	
62) 4-Bromofluorobenzene	12.62	95	174658	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	62355	21.153	ug/l	97
3) Chloromethane	2.21	50	74642	19.932	ug/l	98
4) Vinyl Chloride	2.35	62	74880	19.703	ug/l	99
5) Bromomethane	2.76	94	91807	28.618	ug/l	100
6) Chloroethane	2.91	64	55140	20.381	ug/l	96
7) Trichlorofluoromethane	3.25	101	104367	21.329	ug/l	97
8) Diethyl Ether	3.68	74	31307	20.925	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62314	20.447	ug/l	99
10) Methyl Iodide	4.27	142	26838	10.788	ug/l	98
11) Tert butyl alcohol	5.20	59	18999	84.248	ug/l	96
12) 1,1-Dichloroethene	4.03	96	52205	19.859	ug/l	96
13) Acrolein	3.90	56	22354	90.081	ug/l	99
14) Allyl chloride	4.67	41	94999	20.487	ug/l	96
15) Acrylonitrile	5.37	53	67260	103.000	ug/l	99
16) Acetone	4.14	43	66352	99.916	ug/l	98
17) Carbon Disulfide	4.37	76	173644	19.632	ug/l	98
18) Methyl Acetate	4.67	43	29534	19.340	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	150545	21.649	ug/l	97
20) Methylene Chloride	4.92	84	68982	18.683	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	62563	20.611	ug/l	94
22) Diisopropyl ether	6.31	45	198823	21.576	ug/l	96
23) Vinyl Acetate	6.26	43	611659	106.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109825	20.547	ug/l	97
25) 2-Butanone	7.18	43	92010	100.254	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98265	20.226	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65751	20.169	ug/l	98
28) Bromochloromethane	7.51	49	45629	20.524	ug/l	98
29) Tetrahydrofuran	7.53	42	56802	98.213	ug/l	98
30) Chloroform	7.68	83	117251	21.307	ug/l	98
31) Cyclohexane	7.95	56	114897	20.935	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	106332	20.938	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92003	20.497	ug/l	99
37) Ethyl Acetate	7.25	43	41622	19.742	ug/l	96
38) Carbon Tetrachloride	8.06	117	95256	20.549	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108010	20.203	ug/l	97
40) Benzene	8.32	78	246590	20.580	ug/l	98
41) Methacrylonitrile	7.48	41	19844	16.949	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	78742	20.356	ug/l	99
43) Isopropyl Acetate	8.42	43	81465	20.746	ug/l	98
44) Trichloroethene	9.09	130	68642	20.440	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61740	20.573	ug/l	98
46) Dibromomethane	9.46	93	33600	20.501	ug/l	99
47) Bromodichloromethane	9.64	83	86018	20.733	ug/l	96
48) Methyl methacrylate	9.43	41	36624	20.030	ug/l	90
49) 1,4-Dioxane	9.46	88	8434	359.360	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	207421	104.050	ug/l	99
52) Toluene	10.39	92	161810	19.912	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	84911	20.693	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97218	20.617	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47706	21.476	ug/l	97
56) Ethyl methacrylate	10.65	69	55408	20.098	ug/l	97
57) 1,3-Dichloropropane	10.93	76	81628	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150319	105.175	ug/l	99
59) 2-Hexanone	10.97	43	142950	101.992	ug/l	99
60) Dibromochloromethane	11.13	129	55537	20.202	ug/l	97
61) 1,2-Dibromoethane	11.23	107	43883	20.151	ug/l	97
64) Tetrachloroethene	10.86	164	60541	20.431	ug/l	96
65) Chlorobenzene	11.66	112	179542	20.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61475	20.586	ug/l	99
67) Ethyl Benzene	11.73	91	323556	20.026	ug/l	99
68) m/p-Xylenes	11.84	106	253143	39.694	ug/l	99
69) o-Xylene	12.16	106	117660	19.829	ug/l	99
70) Styrene	12.18	104	190839	19.878	ug/l	100
71) Bromoform	12.35	173	32206	20.086	ug/l #	99
73) Isopropylbenzene	12.46	105	321974	20.209	ug/l	100
74) N-amyl acetate	12.27	43	78712	20.869	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56296	22.400	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	37946m	21.587	ug/l	
77) Bromobenzene	12.75	156	74448	20.451	ug/l	99
78) n-propylbenzene	12.80	91	399985	20.382	ug/l	100
79) 2-Chlorotoluene	12.89	91	228090	20.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270000	19.660	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16058	20.433	ug/l	97
82) 4-Chlorotoluene	12.99	91	234838	19.980	ug/l	97
83) tert-Butylbenzene	13.21	119	238085	20.555	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	273967	19.720	ug/l	100
85) sec-Butylbenzene	13.38	105	346093	20.167	ug/l	99
86) p-Isopropyltoluene	13.50	119	302019	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152555	19.940	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	148446	19.634	ug/l	97
89) n-Butylbenzene	13.83	91	279852	19.175	ug/l	99
90) Hexachloroethane	14.10	117	54436	20.560	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	135212	20.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9200	20.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86446	18.963	ug/l	98
94) Hexachlorobutadiene	15.24	225	56666	19.846	ug/l	99
95) Naphthalene	15.37	128	139216	18.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	76987	19.206	ug/l	97

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

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