

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015323.D
 Acq On : 23 Apr 2020 11:19
 Operator : SY/VA
 Sample : VW0423SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:32:44 PM

Quant Time: Apr 24 09:18:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95927	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	97410	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.32	98	389060	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	147080	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	38177	20.910	ug/l	97
3) Chloromethane	2.21	50	39959	20.098	ug/l	98
4) Vinyl Chloride	2.36	62	48391	20.611	ug/l	99
5) Bromomethane	2.76	94	39328	23.559	ug/l	92
6) Chloroethane	2.92	64	28842	19.804	ug/l	99
7) Trichlorofluoromethane	3.26	101	73112	22.006	ug/l	100
8) Diethyl Ether	3.68	74	18310	19.635	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45853	22.381	ug/l	93
10) Methyl Iodide	4.28	142	38346	17.820	ug/l	97
11) Tert butyl alcohol	5.18	59	13517	87.705	ug/l	99
12) 1,1-Dichloroethene	4.04	96	42022	21.309	ug/l	93
13) Acrolein	3.90	56	9780	121.242	ug/l	94
14) Allyl chloride	4.67	41	51274	19.599	ug/l #	84
15) Acrylonitrile	5.37	53	32641	91.977	ug/l	97
16) Acetone	4.13	43	27515	83.322	ug/l	97
17) Carbon Disulfide	4.38	76	121027	20.652	ug/l	100
18) Methyl Acetate	4.68	43	15405	17.624	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90372	19.963	ug/l	95
20) Methylene Chloride	4.92	84	41536	19.192	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	48187	21.545	ug/l	89
22) Diisopropyl ether	6.31	45	100915	20.108	ug/l #	90
23) Vinyl Acetate	6.26	43	290001	98.468	ug/l	94
24) 1,1-Dichloroethane	6.22	63	71770	20.634	ug/l	98
25) 2-Butanone	7.17	43	40203	91.763	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	77703	21.235	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51343	21.264	ug/l	99
28) Bromochloromethane	7.51	49	24941	19.722	ug/l #	72
29) Tetrahydrofuran	7.53	42	25044	91.752	ug/l	90
30) Chloroform	7.68	83	79790	21.255	ug/l	98
31) Cyclohexane	7.95	56	72748	20.807	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	79595	21.969	ug/l	99
36) 1,1-Dichloropropene	8.08	75	65639	21.791	ug/l	98
37) Ethyl Acetate	7.25	43	18630	19.058	ug/l	97
38) Carbon Tetrachloride	8.07	117	72374	21.987	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83193	20.751	ug/l	98
40) Benzene	8.32	78	170852	21.234	ug/l	96
41) Methacrylonitrile	7.48	41	10353	17.651	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	49166	20.757	ug/l	99
43) Isopropyl Acetate	8.42	43	38152	18.608	ug/l	94
44) Trichloroethene	9.09	130	54844	22.284	ug/l	92
45) 1,2-Dichloropropane	9.37	63	38934	20.808	ug/l	98
46) Dibromomethane	9.46	93	22012	20.337	ug/l #	85
47) Bromodichloromethane	9.64	83	60307	20.842	ug/l	99
48) Methyl methacrylate	9.43	41	17270	17.818	ug/l #	85
49) 1,4-Dioxane	9.45	88	4826	334.454	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	86848	90.235	ug/l	95
52) Toluene	10.38	92	117298	20.830	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	57280	20.077	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	68126	20.543	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30972	20.435	ug/l	98
56) Ethyl methacrylate	10.65	69	36074	18.476	ug/l	93
57) 1,3-Dichloropropane	10.93	76	51783	20.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	85934	94.932	ug/l #	89
59) 2-Hexanone	10.96	43	60507	88.069	ug/l	96
60) Dibromochloromethane	11.13	129	42272	21.124	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30000	20.285	ug/l	100
64) Tetrachloroethene	10.86	164	49592	22.728	ug/l	92
65) Chlorobenzene	11.66	112	128856	21.479	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46817	21.713	ug/l	98
67) Ethyl Benzene	11.73	91	236889	21.174	ug/l	99
68) m/p-Xylenes	11.84	106	186453	42.518	ug/l	100
69) o-Xylene	12.16	106	86961	21.245	ug/l	98
70) Styrene	12.18	104	145466	20.849	ug/l	100
71) Bromoform	12.35	173	24394	20.079	ug/l #	98
73) Isopropylbenzene	12.46	105	247705	21.439	ug/l	100
74) N-amyl acetate	12.27	43	37414	18.613	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	32063	19.545	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19759m	15.327	ug/l	
77) Bromobenzene	12.75	156	56845	21.414	ug/l	82
78) n-propylbenzene	12.80	91	285557	21.227	ug/l	97
79) 2-Chlorotoluene	12.89	91	160301	21.144	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	209112	21.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11218	19.022	ug/l	97
82) 4-Chlorotoluene	12.99	91	168969	20.991	ug/l	98
83) tert-Butylbenzene	13.21	119	187023	21.499	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	205807	20.965	ug/l	100
85) sec-Butylbenzene	13.38	105	256667	21.364	ug/l	97
86) p-Isopropyltoluene	13.50	119	241773	21.658	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111887	21.213	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	109840	21.245	ug/l	98
89) n-Butylbenzene	13.82	91	214536	21.026	ug/l	98
90) Hexachloroethane	14.09	117	43671	21.332	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	98209	21.428	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5521	18.597	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68656	21.551	ug/l	98
94) Hexachlorobutadiene	15.24	225	47217	22.231	ug/l	97
95) Naphthalene	15.36	128	100637	19.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57094	22.027	ug/l	96

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

