

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010459.D
 Acq On : 20 May 2019 20:59
 Operator : SY/VA
 Sample : VW0520SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0520SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:29:11 AM

Quant Time: May 21 07:04:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	230488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	207794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	71668	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	7.88	113	71194	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.32	98	270474	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.62	95	104671	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18068	15.864	ug/l	96
3) Chloromethane	2.21	50	23341	17.586	ug/l	99
4) Vinyl Chloride	2.35	62	26603	17.304	ug/l	100
5) Bromomethane	2.74	94	20947	19.805	ug/l	93
6) Chloroethane	2.90	64	18418	18.662	ug/l	95
7) Trichlorofluoromethane	3.25	101	43122	18.998	ug/l	100
8) Diethyl Ether	3.68	74	14965	20.799	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	26829	19.194	ug/l	100
10) Methyl Iodide	4.26	142	26292	16.456	ug/l	98
11) Tert butyl alcohol	5.18	59	13037	111.158	ug/l	97
12) 1,1-Dichloroethene	4.03	96	26036	19.513	ug/l	93
13) Acrolein	3.89	56	10569	145.310	ug/l	98
14) Allyl chloride	4.66	41	38438	19.901	ug/l	99
15) Acrylonitrile	5.37	53	32445	107.674	ug/l	99
16) Acetone	4.12	43	25476	95.720	ug/l	92
17) Carbon Disulfide	4.37	76	72470	18.209	ug/l	99
18) Methyl Acetate	4.67	43	16025	24.618	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	73547	21.621	ug/l	96
20) Methylene Chloride	4.92	84	32181	17.289	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	30052	19.635	ug/l	96
22) Diisopropyl ether	6.31	45	82040	20.715	ug/l	99
23) Vinyl Acetate	6.26	43	251902	106.482	ug/l	99
24) 1,1-Dichloroethane	6.21	63	47815	20.232	ug/l	97
25) 2-Butanone	7.17	43	41858	109.896	ug/l	98
26) 2,2-Dichloropropane	7.17	77	42375	18.823	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	34732	20.873	ug/l	98
28) Bromochloromethane	7.51	49	19263	22.765	ug/l	99
29) Tetrahydrofuran	7.52	42	28690	111.314	ug/l	99
30) Chloroform	7.68	83	53589	21.022	ug/l	96
31) Cyclohexane	7.95	56	46260	18.686	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	48682	19.981	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40426	18.828	ug/l	100
37) Ethyl Acetate	7.25	43	18493	20.254	ug/l	96
38) Carbon Tetrachloride	8.07	117	43278	18.685	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	53656	18.652	ug/l	99
40) Benzene	8.32	78	116597	19.538	ug/l	98
41) Methacrylonitrile	7.48	41	10639	19.611	ug/l	98
42) 1,2-Dichloroethane	8.40	62	35088	20.572	ug/l	99
43) Isopropyl Acetate	8.43	43	37984	20.824	ug/l	98
44) Trichloroethene	9.09	130	33600	18.965	ug/l	98
45) 1,2-Dichloropropane	9.37	63	28142	19.856	ug/l	100
46) Dibromomethane	9.46	93	17200	20.751	ug/l	98
47) Bromodichloromethane	9.65	83	41535	19.940	ug/l	98
48) Methyl methacrylate	9.44	41	16952	20.314	ug/l	97
49) 1,4-Dioxane	9.45	88	5871	433.592	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	97425	105.404	ug/l	99
52) Toluene	10.39	92	78092	19.485	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	41206	19.533	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	47507	19.718	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	24676	20.702	ug/l	98
56) Ethyl methacrylate	10.65	69	33545	20.406	ug/l	100
57) 1,3-Dichloropropane	10.93	76	41162	20.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	78768	108.179	ug/l	100
59) 2-Hexanone	10.97	43	66559	100.946	ug/l	99
60) Dibromochloromethane	11.13	129	30083	19.942	ug/l	99
61) 1,2-Dibromoethane	11.23	107	24876	20.602	ug/l	100
64) Tetrachloroethene	10.86	164	27995	19.327	ug/l	98
65) Chlorobenzene	11.66	112	86122	19.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	30925	19.494	ug/l	100
67) Ethyl Benzene	11.73	91	149378	19.105	ug/l	99
68) m/p-Xylenes	11.84	106	117691	38.376	ug/l	99
69) o-Xylene	12.16	106	55644	19.150	ug/l	98
70) Styrene	12.18	104	96745	19.624	ug/l	99
71) Bromoform	12.35	173	16946	19.398	ug/l	# 99
73) Isopropylbenzene	12.46	105	148158	19.099	ug/l	99
74) N-amyl acetate	12.27	43	34543	19.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29084	20.613	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19996m	20.151	ug/l	
77) Bromobenzene	12.75	156	34480	19.862	ug/l	96
78) n-propylbenzene	12.80	91	172724	19.106	ug/l	99
79) 2-Chlorotoluene	12.89	91	103570	19.755	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	128753	19.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9311	19.583	ug/l	96
82) 4-Chlorotoluene	12.99	91	107430	19.742	ug/l	99
83) tert-Butylbenzene	13.21	119	108130	18.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	127379	19.466	ug/l	98
85) sec-Butylbenzene	13.38	105	152518	18.990	ug/l	99
86) p-Isopropyltoluene	13.50	119	136716	18.807	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	66533	19.535	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	66228	19.381	ug/l	98
89) n-Butylbenzene	13.83	91	127822	18.486	ug/l	100
90) Hexachloroethane	14.10	117	27214	19.341	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	60089	19.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5272	20.094	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	39406	18.663	ug/l	99
94) Hexachlorobutadiene	15.24	225	20071	17.794	ug/l	98
95) Naphthalene	15.37	128	88692	20.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	34611	19.050	ug/l	97

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

