

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010545.D
 Acq On : 24 May 2019 12:39
 Operator : SY/VA
 Sample : VW0524SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0524SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:17 PM

Quant Time: May 25 01:45:29 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	146963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	247065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67655	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
35) Dibromofluoromethane	7.88	113	75131	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.32	98	292261	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.62	95	109340	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22516	17.013	ug/l	99
3) Chloromethane	2.21	50	25186	16.311	ug/l	99
4) Vinyl Chloride	2.35	62	29276	16.368	ug/l	99
5) Bromomethane	2.76	94	21709	17.643	ug/l	99
6) Chloroethane	2.91	64	19861	17.298	ug/l	99
7) Trichlorofluoromethane	3.25	101	54141	20.503	ug/l	96
8) Diethyl Ether	3.68	74	16005	19.121	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33906	20.850	ug/l	98
10) Methyl Iodide	4.27	142	31821	17.120	ug/l	98
11) Tert butyl alcohol	5.17	59	13792	101.081	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	31989	20.607	ug/l	96
13) Acrolein	3.90	56	7353	77.050	ug/l	97
14) Allyl chloride	4.67	41	42949	19.114	ug/l	98
15) Acrylonitrile	5.37	53	27101	77.309	ug/l	99
16) Acetone	4.13	43	24037	77.630	ug/l	94
17) Carbon Disulfide	4.38	76	84955	18.348	ug/l	98
18) Methyl Acetate	4.67	43	12329	16.281	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	69305	17.513	ug/l	100
20) Methylene Chloride	4.92	84	37395	17.263	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	36181	20.320	ug/l	94
22) Diisopropyl ether	6.31	45	85902	18.645	ug/l	94
23) Vinyl Acetate	6.26	43	233445	84.822	ug/l	99
24) 1,1-Dichloroethane	6.22	63	55904	20.333	ug/l	97
25) 2-Butanone	7.17	43	37139	83.813	ug/l	96
26) 2,2-Dichloropropane	7.17	77	59255	22.625	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	39709	20.513	ug/l	98
28) Bromochloromethane	7.51	49	19307	19.613	ug/l	93
29) Tetrahydrofuran	7.53	42	22035	73.488	ug/l	100
30) Chloroform	7.67	83	60032	20.242	ug/l	100
31) Cyclohexane	7.95	56	56382	19.577	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	58098	20.497	ug/l	98
36) 1,1-Dichloropropene	8.08	75	48372	21.017	ug/l	99
37) Ethyl Acetate	7.25	43	16603	16.964	ug/l	98
38) Carbon Tetrachloride	8.07	117	53103	21.389	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65128	21.121	ug/l	99
40) Benzene	8.32	78	135693	21.212	ug/l	99
41) Methacrylonitrile	7.49	41	9932	17.079	ug/l	93
42) 1,2-Dichloroethane	8.40	62	35545	19.441	ug/l	99
43) Isopropyl Acetate	8.43	43	31466	16.093	ug/l	97
44) Trichloroethene	9.09	130	40721	21.442	ug/l	100
45) 1,2-Dichloropropane	9.37	63	30637	20.166	ug/l	98
46) Dibromomethane	9.46	93	16713	18.810	ug/l	96
47) Bromodichloromethane	9.64	83	43788	19.611	ug/l	97
48) Methyl methacrylate	9.44	41	15066	16.843	ug/l	94
49) 1,4-Dioxane	9.46	88	4208	289.923	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	76229	76.938	ug/l	98
52) Toluene	10.39	92	92305	21.486	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	42019	18.582	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	50773	19.660	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	24581	19.239	ug/l	97
56) Ethyl methacrylate	10.65	69	29302	16.629	ug/l	97
57) 1,3-Dichloropropane	10.93	76	40788	19.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	64700	82.896	ug/l	96
59) 2-Hexanone	10.97	43	52577	74.390	ug/l	97
60) Dibromochloromethane	11.13	129	30812	19.055	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23407	18.085	ug/l	97
64) Tetrachloroethene	10.86	164	32829	21.666	ug/l	97
65) Chlorobenzene	11.66	112	98188	21.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	34803	20.972	ug/l	99
67) Ethyl Benzene	11.73	91	175262	21.429	ug/l	98
68) m/p-Xylenes	11.84	106	137602	42.893	ug/l	100
69) o-Xylene	12.16	106	65386	21.513	ug/l	99
70) Styrene	12.18	104	108868	21.110	ug/l	100
71) Bromoform	12.35	173	15837	17.330	ug/l #	99
73) Isopropylbenzene	12.47	105	178784	21.958	ug/l	99
74) N-amyl acetate	12.27	43	28516	15.283	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	25693	17.349	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	18354m	17.622	ug/l	
77) Bromobenzene	12.75	156	39206	21.517	ug/l	97
78) n-propylbenzene	12.80	91	206765	21.791	ug/l	100
79) 2-Chlorotoluene	12.90	91	117346	21.325	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	148641	21.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7846	15.722	ug/l	98
82) 4-Chlorotoluene	12.99	91	122818	21.503	ug/l	100
83) tert-Butylbenzene	13.21	119	130587	21.679	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	147039	21.409	ug/l	99
85) sec-Butylbenzene	13.38	105	182493	21.649	ug/l	99
86) p-Isopropyltoluene	13.50	119	166186	21.781	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	78228	21.883	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	76590	21.354	ug/l	98
89) n-Butylbenzene	13.83	91	153581	21.162	ug/l	99
90) Hexachloroethane	14.10	117	31213	21.135	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	67690	20.782	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4174	15.158	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	43711	19.724	ug/l	99
94) Hexachlorobutadiene	15.24	225	25015	21.129	ug/l	97
95) Naphthalene	15.37	128	76320	16.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	36854	19.326	ug/l	98

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

