

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010566.D
 Acq On : 28 May 2019 14:44
 Operator : SY/VA
 Sample : K3066-03MS
 Misc : 5.45G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:41 AM

Quant Time: May 29 07:29:46 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	129606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	218376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	62350	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	67569	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	259221	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.62	95	98949	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	57018	49.378	ug/l	97
3) Chloromethane	2.21	50	63075	46.320	ug/l	100
4) Vinyl Chloride	2.35	62	70774	44.870	ug/l	100
5) Bromomethane	2.73	94	52107	48.020	ug/l	97
6) Chloroethane	2.90	64	44128	43.581	ug/l	100
7) Trichlorofluoromethane	3.24	101	124065	53.276	ug/l	96
8) Diethyl Ether	3.68	74	38969	52.790	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	74607	52.023	ug/l	96
10) Methyl Iodide	4.27	142	85062	51.893	ug/l	96
11) Tert butyl alcohol	5.17	59	29970	249.065	ug/l	98
12) 1,1-Dichloroethene	4.03	96	73118	53.411	ug/l	98
13) Acrolein	3.89	56	17632	251.616	ug/l	100
14) Allyl chloride	4.67	41	103105	52.031	ug/l	99
15) Acrylonitrile	5.37	53	71719	231.986	ug/l	97
16) Acetone	4.12	43	68180	249.684	ug/l	100
17) Carbon Disulfide	4.37	76	208342	51.023	ug/l	100
18) Methyl Acetate	4.67	43	39363	58.941	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	179531	51.442	ug/l	95
20) Methylene Chloride	4.91	84	86974	54.767	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	84363	53.726	ug/l	96
22) Diisopropyl ether	6.31	45	213336	52.504	ug/l	96
23) Vinyl Acetate	6.26	43	565381	232.943	ug/l	100
24) 1,1-Dichloroethane	6.21	63	131370	54.179	ug/l	99
25) 2-Butanone	7.17	43	90040	230.410	ug/l	100
26) 2,2-Dichloropropane	7.16	77	120928	52.357	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	94157	55.155	ug/l	97
28) Bromochloromethane	7.51	49	44621	51.398	ug/l	91
29) Tetrahydrofuran	7.53	42	59244	224.042	ug/l	99
30) Chloroform	7.68	83	143316	54.797	ug/l	98
31) Cyclohexane	7.95	56	119236	46.945	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	133964	53.591	ug/l	98
36) 1,1-Dichloropropene	8.08	75	108461	53.317	ug/l	99
37) Ethyl Acetate	7.25	43	39416	45.564	ug/l	97
38) Carbon Tetrachloride	8.07	117	121488	55.361	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	137315	50.382	ug/l	97
40) Benzene	8.32	78	317375	56.131	ug/l	99
41) Methacrylonitrile	7.48	41	22855	44.465	ug/l	99
42) 1,2-Dichloroethane	8.40	62	85974	53.201	ug/l	99
43) Isopropyl Acetate	8.43	43	82683	47.843	ug/l	99
44) Trichloroethene	9.09	130	96084	57.240	ug/l	97
45) 1,2-Dichloropropane	9.37	63	73499	54.733	ug/l	99
46) Dibromomethane	9.46	93	42333	53.905	ug/l	96
47) Bromodichloromethane	9.65	83	107931	54.690	ug/l	98
48) Methyl methacrylate	9.44	41	36913	46.687	ug/l	97
49) 1,4-Dioxane	9.44	88	12819	999.233	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	207169	236.567	ug/l	99
52) Toluene	10.39	92	217845	57.370	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	106225	53.146	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	126125	55.254	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	61047	54.057	ug/l	96
56) Ethyl methacrylate	10.65	69	78350	50.305	ug/l	99
57) 1,3-Dichloropropane	10.93	76	100935	53.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	175340	254.165	ug/l	97
59) 2-Hexanone	10.97	43	144210	230.846	ug/l	98
60) Dibromochloromethane	11.13	129	79201	55.414	ug/l	98
61) 1,2-Dibromoethane	11.24	107	60808	53.155	ug/l	100
64) Tetrachloroethene	10.87	164	77570	56.099	ug/l	92
65) Chlorobenzene	11.66	112	238905	56.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	86375	57.037	ug/l	99
67) Ethyl Benzene	11.73	91	403552	54.069	ug/l	99
68) m/p-Xylenes	11.84	106	320409	109.448	ug/l	98
69) o-Xylene	12.17	106	153057	55.183	ug/l	98
70) Styrene	12.18	104	259976	55.242	ug/l	99
71) Bromoform	12.35	173	43873	52.610	ug/l #	100
73) Isopropylbenzene	12.47	105	402192	51.594	ug/l	99
74) N-amyl acetate	12.27	43	78727	44.072	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	67214	47.405	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	46962m	47.096	ug/l	
77) Bromobenzene	12.75	156	98829	56.653	ug/l	93
78) n-propylbenzene	12.80	91	455465	50.136	ug/l	99
79) 2-Chlorotoluene	12.90	91	271395	51.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	342968	51.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	21864	45.761	ug/l	97
82) 4-Chlorotoluene	12.99	91	280232	51.247	ug/l	98
83) tert-Butylbenzene	13.21	119	291913	50.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	340421	51.770	ug/l	99
85) sec-Butylbenzene	13.38	105	400073	49.572	ug/l	99
86) p-Isopropyltoluene	13.50	119	367148	50.260	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	184007	53.764	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188260	54.824	ug/l	99
89) n-Butylbenzene	13.83	91	332872	47.907	ug/l	99
90) Hexachloroethane	14.10	117	71743	50.740	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	172204	55.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11948	45.319	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	115588	54.477	ug/l	99
94) Hexachlorobutadiene	15.24	225	63835	56.317	ug/l	99
95) Naphthalene	15.37	128	220591	49.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100462	55.026	ug/l	100

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

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