

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010531.D
 Acq On : 23 May 2019 15:48
 Operator : SY/VA
 Sample : K3010-04MS
 Misc : 7.07G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:22 PM

Quant Time: May 24 09:00:09 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	102888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	182056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	57253	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	56152	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.32	98	212415	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	83182	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29521	32.106	ug/l	96
3) Chloromethane	2.21	50	33526	31.013	ug/l	94
4) Vinyl Chloride	2.35	62	36706	29.314	ug/l	95
5) Bromomethane	2.76	94	26885	31.210	ug/l	95
6) Chloroethane	2.91	64	24779	30.827	ug/l	95
7) Trichlorofluoromethane	3.25	101	62961	34.058	ug/l	99
8) Diethyl Ether	3.68	74	22672	38.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38863	34.136	ug/l	100
10) Methyl Iodide	4.27	142	37501	28.819	ug/l	98
11) Tert butyl alcohol	5.18	59	18344	192.035	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36986	34.033	ug/l	99
13) Acrolein	3.89	56	22825	425.757	ug/l	97
14) Allyl chloride	4.67	41	52892	33.623	ug/l	99
15) Acrylonitrile	5.37	53	48647	198.218	ug/l	97
16) Acetone	4.12	43	41175	189.945	ug/l	97
17) Carbon Disulfide	4.38	76	104512	32.242	ug/l	99
18) Methyl Acetate	4.67	43	30452	57.439	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	106589	38.473	ug/l	96
20) Methylene Chloride	4.92	84	43392	32.322	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	43022	34.513	ug/l	96
22) Diisopropyl ether	6.31	45	113282	35.120	ug/l	96
23) Vinyl Acetate	6.26	43	318660	165.385	ug/l	99
24) 1,1-Dichloroethane	6.21	63	66632	34.616	ug/l	98
25) 2-Butanone	7.17	43	61137	197.074	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62249	33.950	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48593	35.856	ug/l	98
28) Bromochloromethane	7.51	49	39522	57.347	ug/l	96
29) Tetrahydrofuran	7.53	42	41572	198.037	ug/l	97
30) Chloroform	7.67	83	74865	36.058	ug/l	96
31) Cyclohexane	7.95	56	64132	31.807	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	68319	34.427	ug/l	99
36) 1,1-Dichloropropene	8.09	75	57862	34.118	ug/l	100
37) Ethyl Acetate	7.25	43	27395	37.986	ug/l	98
38) Carbon Tetrachloride	8.07	117	61800	33.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73546	32.368	ug/l	97
40) Benzene	8.32	78	164154	34.824	ug/l	100
41) Methacrylonitrile	7.49	41	15412	35.966	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50838	37.735	ug/l	99
43) Isopropyl Acetate	8.43	43	55081	38.230	ug/l	99
44) Trichloroethene	9.09	130	48420	34.600	ug/l	98
45) 1,2-Dichloropropane	9.37	63	39022	34.856	ug/l	99
46) Dibromomethane	9.46	93	24644	37.641	ug/l	97
47) Bromodichloromethane	9.65	83	57920	35.204	ug/l	99
48) Methyl methacrylate	9.43	41	25014	37.949	ug/l	98
49) 1,4-Dioxane	9.45	88	7390	690.966	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	141740	194.143	ug/l	99
52) Toluene	10.39	92	117964	37.264	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59527	35.724	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66832	35.119	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	36441	38.706	ug/l	99
56) Ethyl methacrylate	10.65	69	48315	37.209	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59350	37.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	158869	276.232	ug/l	98
59) 2-Hexanone	10.97	43	98845	189.794	ug/l	99
60) Dibromochloromethane	11.13	129	43673	36.652	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36980	38.775	ug/l	100
64) Tetrachloroethene	10.86	164	36590	32.104	ug/l	97
65) Chlorobenzene	11.66	112	120130	34.476	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	44399	35.570	ug/l	99
67) Ethyl Benzene	11.73	91	206363	33.544	ug/l	99
68) m/p-Xylenes	11.84	106	163627	67.810	ug/l	99
69) o-Xylene	12.17	106	76859	33.619	ug/l	99
70) Styrene	12.18	104	132922	34.267	ug/l	100
71) Bromoform	12.35	173	24906	36.234	ug/l	# 100
73) Isopropylbenzene	12.46	105	207043	33.551	ug/l	100
74) N-amyl acetate	12.27	43	46500	32.883	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	43030	38.337	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35941m	45.532	ug/l	
77) Bromobenzene	12.75	156	49326	35.719	ug/l	98
78) n-propylbenzene	12.80	91	231650	32.212	ug/l	100
79) 2-Chlorotoluene	12.90	91	139879	33.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	171400	32.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13513	35.727	ug/l	95
82) 4-Chlorotoluene	12.99	91	145764	33.673	ug/l	100
83) tert-Butylbenzene	13.21	119	147958	32.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	170547	32.764	ug/l	99
85) sec-Butylbenzene	13.38	105	202413	31.682	ug/l	100
86) p-Isopropyltoluene	13.50	119	184522	31.909	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92277	34.059	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	92886	34.171	ug/l	98
89) n-Butylbenzene	13.83	91	165244	30.042	ug/l	99
90) Hexachloroethane	14.10	117	35746	31.936	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	85603	34.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7871	37.714	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	54271	32.311	ug/l	99
94) Hexachlorobutadiene	15.24	225	26070	29.054	ug/l	99
95) Naphthalene	15.37	128	129014	36.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	49152	34.009	ug/l	100

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

