

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010665.D
 Acq On : 03 Jun 2019 17:49
 Operator : SY/VA
 Sample : K3010-05MSD
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:13:06 PM

Quant Time: Jun 04 08:18:36 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	14246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	20908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	5550	37.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.48%	
35) Dibromofluoromethane	7.89	113	5587	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
50) Toluene-d8	10.32	98	23016	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	7637	39.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7111	56.063	ug/l	89
3) Chloromethane	2.21	50	6332	42.304	ug/l	98
4) Vinyl Chloride	2.36	62	8098	46.708	ug/l	93
5) Bromomethane	2.78	94	4840	40.579	ug/l	91
6) Chloroethane	2.92	64	4575	41.106	ug/l	99
7) Trichlorofluoromethane	3.27	101	14061	54.933	ug/l	96
8) Diethyl Ether	3.68	74	3089	38.070	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8222	52.158	ug/l	97
10) Methyl Iodide	4.28	142	3329	18.476	ug/l	96
11) Tert butyl alcohol	5.15	59	5047	381.585	ug/l	99
12) 1,1-Dichloroethene	4.04	96	8022	53.311	ug/l	85
13) Acrolein	3.91	56	45	Below Cal	#	13
14) Allyl chloride	4.67	41	8245	37.854	ug/l	98
15) Acrylonitrile	5.37	53	11487	338.039	ug/l	95
16) Acetone	4.12	43	13230	440.784	ug/l	90
17) Carbon Disulfide	4.39	76	20242	45.100	ug/l	99
18) Methyl Acetate	4.67	43	21268	289.725	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	15051	39.235	ug/l	96
20) Methylene Chloride	4.92	84	7907	44.322	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	7855	45.510	ug/l	96
22) Diisopropyl ether	6.31	45	15222	34.083	ug/l	99
23) Vinyl Acetate	6.31	43	7635	28.619	ug/l #	67
24) 1,1-Dichloroethane	6.22	63	11984	44.965	ug/l	98
25) 2-Butanone	7.17	43	13650	317.783	ug/l	94
26) 2,2-Dichloropropane	7.17	77	11279	44.427	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	8164	43.508	ug/l	98
28) Bromochloromethane	7.51	49	4041	42.348	ug/l #	91
29) Tetrahydrofuran	7.53	42	9383	322.819	ug/l	96
30) Chloroform	7.68	83	12188	42.396	ug/l	96
31) Cyclohexane	7.96	56	12029	43.087	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	12450	45.311	ug/l	96
36) 1,1-Dichloropropene	8.08	75	10375	53.268	ug/l	96
37) Ethyl Acetate	7.25	43	3121	37.682	ug/l #	80
38) Carbon Tetrachloride	8.06	117	10979	52.255	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	12611	48.329	ug/l	99
40) Benzene	8.32	78	29159	53.864	ug/l	99
41) Methacrylonitrile	7.53	41	8249	167.621	ug/l #	32
42) 1,2-Dichloroethane	8.40	62	7117	45.998	ug/l	100
43) Isopropyl Acetate	8.43	43	6805	41.126	ug/l	98
44) Trichloroethene	9.09	130	8695	54.102	ug/l	96
45) 1,2-Dichloropropane	9.37	63	5976	46.481	ug/l	95
46) Dibromomethane	9.46	93	3667	48.770	ug/l	96
47) Bromodichloromethane	9.65	83	7532	39.862	ug/l	96
48) Methyl methacrylate	9.44	41	5324	70.332	ug/l	95
49) 1,4-Dioxane	9.45	88	2684	2185.181	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	27541	328.474	ug/l	100
52) Toluene	10.39	92	23225	63.883	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	6650	34.750	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	8259	37.790	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	5483	50.710	ug/l	96
56) Ethyl methacrylate	10.65	69	4099	27.488	ug/l	96
57) 1,3-Dichloropropane	10.93	76	8826	48.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	4196	63.528	ug/l	98
59) 2-Hexanone	10.97	43	19564	327.098	ug/l	99
60) Dibromochloromethane	11.13	129	5555	40.594	ug/l	97
61) 1,2-Dibromoethane	11.24	107	5223	47.686	ug/l	97
64) Tetrachloroethene	10.86	164	6978	59.912	ug/l	89
65) Chlorobenzene	11.66	112	18323	51.457	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	6072	47.602	ug/l	98
67) Ethyl Benzene	11.73	91	33081	52.619	ug/l	96
68) m/p-Xylenes	11.84	106	26339	106.813	ug/l	98
69) o-Xylene	12.17	106	11681	49.998	ug/l	100
70) Styrene	12.18	104	11966	30.186	ug/l	95
71) Bromoform	12.35	173	3215	45.769	ug/l #	98
73) Isopropylbenzene	12.47	105	32607	64.680	ug/l	98
74) N-amyl acetate	12.29	43	806	6.977	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	6594	71.912	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6187m	95.942	ug/l	
77) Bromobenzene	12.75	156	6869	60.887	ug/l	97
78) n-propylbenzene	12.80	91	34258	58.311	ug/l	99
79) 2-Chlorotoluene	12.90	91	20089	58.963	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	23755	55.636	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1373	44.435	ug/l #	80
82) 4-Chlorotoluene	12.99	91	18739	52.989	ug/l	97
83) tert-Butylbenzene	13.21	119	23174	62.136	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	22527	52.974	ug/l	96
85) sec-Butylbenzene	13.38	105	27990	53.628	ug/l	100
86) p-Isopropyltoluene	13.50	119	22342	47.293	ug/l	96
87) 1,3-Dichlorobenzene	13.50	146	10942	49.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	10511	47.332	ug/l	98
89) n-Butylbenzene	13.83	91	16393	36.481	ug/l	98
90) Hexachloroethane	14.10	117	3715	40.627	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	9244	45.837	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1200	70.381	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	2351	17.134	ug/l	95
94) Hexachlorobutadiene	15.24	225	1991	27.161	ug/l	96
95) Naphthalene	15.37	128	5824	20.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	2127	18.015	ug/l	97

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

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