

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010532.D
 Acq On : 23 May 2019 16:15
 Operator : SY/VA
 Sample : K3010-05MSD
 Misc : 6.63G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: May 24 09:01:32 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	132368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	228853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	95363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	63793	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	66641	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	10.32	98	260129	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.62	95	98416	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	46078	39.012	ug/l	98
3) Chloromethane	2.21	50	49943	35.911	ug/l	99
4) Vinyl Chloride	2.35	62	57525	35.709	ug/l	98
5) Bromomethane	2.75	94	39130	35.308	ug/l	99
6) Chloroethane	2.90	64	39019	37.731	ug/l	97
7) Trichlorofluoromethane	3.25	101	99421	41.802	ug/l	93
8) Diethyl Ether	3.68	74	29189	38.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	58986	40.272	ug/l	98
10) Methyl Iodide	4.27	142	64585	38.579	ug/l	98
11) Tert butyl alcohol	5.16	59	24740	201.311	ug/l	100
12) 1,1-Dichloroethene	4.03	96	57651	41.234	ug/l	98
13) Acrolein	3.89	56	20782	294.154	ug/l	98
14) Allyl chloride	4.67	41	79454	39.259	ug/l	100
15) Acrylonitrile	5.37	53	59429	188.221	ug/l	97
16) Acetone	4.12	43	48182	172.767	ug/l	98
17) Carbon Disulfide	4.37	76	166026	39.811	ug/l	100
18) Methyl Acetate	4.67	43	51798	75.942	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	139145	39.038	ug/l	97
20) Methylene Chloride	4.91	84	67661	40.372	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	65827	41.046	ug/l	98
22) Diisopropyl ether	6.31	45	158539	38.204	ug/l	98
23) Vinyl Acetate	6.26	43	298903	120.582	ug/l	100
24) 1,1-Dichloroethane	6.21	63	101622	41.036	ug/l	98
25) 2-Butanone	7.17	43	71848	180.021	ug/l	99
26) 2,2-Dichloropropane	7.16	77	92461	39.197	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	71400	40.951	ug/l	99
28) Bromochloromethane	7.51	49	42764	48.232	ug/l	95
29) Tetrahydrofuran	7.53	42	49432	183.035	ug/l	97
30) Chloroform	7.67	83	108944	40.786	ug/l	98
31) Cyclohexane	7.95	56	97611	37.629	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	106461	41.700	ug/l	98
36) 1,1-Dichloropropene	8.08	75	87005	40.811	ug/l	100
37) Ethyl Acetate	7.25	43	33327	36.761	ug/l	99
38) Carbon Tetrachloride	8.07	117	95337	41.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	112255	39.302	ug/l	96
40) Benzene	8.32	78	242664	40.953	ug/l	100
41) Methacrylonitrile	7.48	41	18634	34.593	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66443	39.233	ug/l	99
43) Isopropyl Acetate	8.43	43	66580	36.761	ug/l	98
44) Trichloroethene	9.09	130	72874	41.426	ug/l	100
45) 1,2-Dichloropropane	9.37	63	55886	39.712	ug/l	99
46) Dibromomethane	9.46	93	32313	39.262	ug/l	99
47) Bromodichloromethane	9.65	83	81873	39.587	ug/l	99
48) Methyl methacrylate	9.43	41	31286	37.759	ug/l	96
49) 1,4-Dioxane	9.45	88	10901	810.825	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	171971	187.384	ug/l	99
52) Toluene	10.39	92	166822	41.922	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79715	38.057	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	93243	38.978	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	47877	40.454	ug/l	96
56) Ethyl methacrylate	10.65	69	58412	35.786	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79098	39.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	148017	204.736	ug/l	98
59) 2-Hexanone	10.97	43	119004	181.776	ug/l	100
60) Dibromochloromethane	11.13	129	58907	39.328	ug/l	100
61) 1,2-Dibromoethane	11.24	107	47395	39.533	ug/l	98
64) Tetrachloroethene	10.86	164	56467	40.380	ug/l	98
65) Chlorobenzene	11.66	112	175793	41.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62396	40.742	ug/l	98
67) Ethyl Benzene	11.73	91	311103	41.216	ug/l	99
68) m/p-Xylenes	11.84	106	245138	82.799	ug/l	99
69) o-Xylene	12.16	106	116546	41.549	ug/l	97
70) Styrene	12.18	104	192051	40.352	ug/l	100
71) Bromoform	12.35	173	32246	38.234	ug/l #	99
73) Isopropylbenzene	12.46	105	311991	41.229	ug/l	100
74) N-amyl acetate	12.27	43	52597	30.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	54547	39.630	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37967m	39.222	ug/l	
77) Bromobenzene	12.75	156	71141	42.010	ug/l	98
78) n-propylbenzene	12.80	91	353198	40.050	ug/l	100
79) 2-Chlorotoluene	12.90	91	205340	40.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	260110	40.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16949	36.543	ug/l	97
82) 4-Chlorotoluene	12.99	91	213287	40.179	ug/l	99
83) tert-Butylbenzene	13.21	119	223792	39.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	253939	39.782	ug/l	99
85) sec-Butylbenzene	13.38	105	309361	39.487	ug/l	99
86) p-Isopropyltoluene	13.50	119	277336	39.109	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	133653	40.228	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	134036	40.209	ug/l	99
89) n-Butylbenzene	13.82	91	255479	37.876	ug/l	100
90) Hexachloroethane	14.10	117	53336	38.858	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	122971	40.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9688	37.854	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74412	36.127	ug/l	99
94) Hexachlorobutadiene	15.24	225	40011	36.362	ug/l	100
95) Naphthalene	15.37	128	156178	36.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	63322	35.728	ug/l	99

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

