

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010664.D
 Acq On : 03 Jun 2019 17:22
 Operator : SY/VA
 Sample : K3010-04MS
 Misc : 6.67G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:13:01 PM

Quant Time: Jun 04 08:17:01 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	108911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	180851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56595	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.88	113	55766	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.32	98	207853	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	78630	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	44831	46.183	ug/l	96
3) Chloromethane	2.22	50	47093	41.154	ug/l	99
4) Vinyl Chloride	2.35	62	55395	41.793	ug/l	100
5) Bromomethane	2.75	94	40007	43.874	ug/l	90
6) Chloroethane	2.90	64	37442	44.004	ug/l	99
7) Trichlorofluoromethane	3.25	101	101476	51.856	ug/l	98
8) Diethyl Ether	3.68	74	32664	52.657	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61327	50.889	ug/l	96
10) Methyl Iodide	4.27	142	51068	37.074	ug/l	97
11) Tert butyl alcohol	5.18	59	42407	419.389	ug/l	98
12) 1,1-Dichloroethene	4.04	96	58028	50.442	ug/l	93
13) Acrolein	3.89	56	7126	108.299	ug/l	100
14) Allyl chloride	4.67	41	79720	47.875	ug/l	97
15) Acrylonitrile	5.37	53	87935	338.487	ug/l	99
16) Acetone	4.12	43	86567	377.259	ug/l	100
17) Carbon Disulfide	4.37	76	148699	43.336	ug/l	100
18) Methyl Acetate	4.67	43	151064	269.179	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	160443	54.708	ug/l	99
20) Methylene Chloride	4.92	84	64916	48.014	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	65733	49.816	ug/l	96
22) Diisopropyl ether	6.31	45	157477	46.121	ug/l	95
23) Vinyl Acetate	6.31	43	78652	38.563	ug/l #	68
24) 1,1-Dichloroethane	6.22	63	101467	49.798	ug/l	98
25) 2-Butanone	7.17	43	113951	347.006	ug/l	99
26) 2,2-Dichloropropane	7.17	77	91838	47.318	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	72894	50.813	ug/l	97
28) Bromochloromethane	7.51	49	39587	54.265	ug/l	90
29) Tetrahydrofuran	7.52	42	76347	343.582	ug/l	97
30) Chloroform	7.68	83	110143	50.115	ug/l	100
31) Cyclohexane	7.95	56	92840	43.498	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	106956	50.917	ug/l	98
36) 1,1-Dichloropropene	8.08	75	86439	51.308	ug/l	98
37) Ethyl Acetate	7.25	43	38232	53.365	ug/l	97
38) Carbon Tetrachloride	8.07	117	95290	52.433	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105209	46.612	ug/l	97
40) Benzene	8.32	78	246699	52.684	ug/l	99
41) Methacrylonitrile	7.48	41	25830	60.679	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72770	54.374	ug/l	99
43) Isopropyl Acetate	8.43	43	77393	54.074	ug/l	99
44) Trichloroethene	9.09	130	74858	53.849	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57148	51.387	ug/l	100
46) Dibromomethane	9.46	93	36991	56.876	ug/l	94
47) Bromodichloromethane	9.65	83	83128	50.862	ug/l	97
48) Methyl methacrylate	9.44	41	47534	72.595	ug/l	98
49) 1,4-Dioxane	9.45	88	20073	1889.334	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	248270	342.324	ug/l	99
52) Toluene	10.39	92	168990	53.738	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	83664	50.544	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	97588	51.623	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	54883	58.682	ug/l	99
56) Ethyl methacrylate	10.65	69	56460	43.772	ug/l	97
57) 1,3-Dichloropropane	10.93	76	89904	57.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	168727	295.327	ug/l	97
59) 2-Hexanone	10.97	43	175990	340.173	ug/l	99
60) Dibromochloromethane	11.13	129	65421	55.270	ug/l	98
61) 1,2-Dibromoethane	11.24	107	56286	59.411	ug/l	98
64) Tetrachloroethene	10.86	164	59561	53.493	ug/l	94
65) Chlorobenzene	11.66	112	180635	53.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	66116	54.219	ug/l	99
67) Ethyl Benzene	11.73	91	310009	51.581	ug/l	98
68) m/p-Xylenes	11.84	106	244874	103.877	ug/l	99
69) o-Xylene	12.17	106	116092	51.978	ug/l	97
70) Styrene	12.18	104	186353	49.175	ug/l	100
71) Bromoform	12.35	173	39504	58.828	ug/l	# 100
73) Isopropylbenzene	12.46	105	307295	51.406	ug/l	100
74) N-amyl acetate	12.27	43	8642	6.309	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	67859	62.411	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49708m	65.006	ug/l	
77) Bromobenzene	12.75	156	76495	57.182	ug/l	97
78) n-propylbenzene	12.80	91	339978	48.802	ug/l	99
79) 2-Chlorotoluene	12.90	91	201731	49.934	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	249158	49.213	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20671	56.418	ug/l	96
82) 4-Chlorotoluene	12.99	91	210033	50.087	ug/l	99
83) tert-Butylbenzene	13.21	119	217577	49.198	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	252311	50.037	ug/l	99
85) sec-Butylbenzene	13.38	105	285464	46.125	ug/l	99
86) p-Isopropyltoluene	13.50	119	261802	46.735	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	135244	51.531	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	136329	51.772	ug/l	99
89) n-Butylbenzene	13.83	91	221236	41.521	ug/l	99
90) Hexachloroethane	14.10	117	48324	44.568	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125559	52.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13394	66.250	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	67936	41.754	ug/l	99
94) Hexachlorobutadiene	15.24	225	30916	35.568	ug/l	98
95) Naphthalene	15.37	128	179407	52.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57299	40.927	ug/l	98

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

