

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010567.D
 Acq On : 28 May 2019 15:11
 Operator : SY/VA
 Sample : K3066-04MSD
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:46 AM

Quant Time: May 29 07:31:14 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	134768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	67986	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.88	113	73382	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	278617	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	106642	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56208	46.797	ug/l	97
3) Chloromethane	2.21	50	63043	44.523	ug/l	99
4) Vinyl Chloride	2.35	62	70624	43.059	ug/l	99
5) Bromomethane	2.75	94	49913	44.236	ug/l	95
6) Chloroethane	2.91	64	49621	47.129	ug/l	98
7) Trichlorofluoromethane	3.25	101	121750	50.279	ug/l	100
8) Diethyl Ether	3.68	74	38610	50.300	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73269	49.133	ug/l	95
10) Methyl Iodide	4.27	142	85940	50.420	ug/l	96
11) Tert butyl alcohol	5.17	59	30574	244.353	ug/l	97
12) 1,1-Dichloroethene	4.03	96	72286	50.780	ug/l	97
13) Acrolein	3.90	56	17580	240.257	ug/l	98
14) Allyl chloride	4.67	41	99298	48.191	ug/l	99
15) Acrylonitrile	5.37	53	73090	227.365	ug/l	99
16) Acetone	4.12	43	59314	208.895	ug/l	96
17) Carbon Disulfide	4.37	76	201766	47.520	ug/l	99
18) Methyl Acetate	4.67	43	38721	55.759	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	179763	49.536	ug/l	98
20) Methylene Chloride	4.92	84	82046	49.161	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	82034	50.241	ug/l	97
22) Diisopropyl ether	6.31	45	208395	49.324	ug/l	98
23) Vinyl Acetate	6.26	43	548390	217.289	ug/l	99
24) 1,1-Dichloroethane	6.22	63	128890	51.120	ug/l	99
25) 2-Butanone	7.16	43	90123	221.789	ug/l	99
26) 2,2-Dichloropropane	7.16	77	118216	49.222	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	92668	52.203	ug/l	98
28) Bromochloromethane	7.51	49	48952	54.227	ug/l	90
29) Tetrahydrofuran	7.52	42	62413	226.985	ug/l	99
30) Chloroform	7.68	83	140400	51.626	ug/l	99
31) Cyclohexane	7.95	56	118624	44.915	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	131576	50.619	ug/l	98
36) 1,1-Dichloropropene	8.09	75	108222	51.507	ug/l	99
37) Ethyl Acetate	7.25	43	42911	48.026	ug/l	100
38) Carbon Tetrachloride	8.07	117	119613	52.773	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140213	49.809	ug/l	99
40) Benzene	8.32	78	312846	53.570	ug/l	99
41) Methacrylonitrile	7.48	41	24080	45.358	ug/l	99
42) 1,2-Dichloroethane	8.40	62	86338	51.727	ug/l	99
43) Isopropyl Acetate	8.43	43	84744	47.476	ug/l	98
44) Trichloroethene	9.09	130	95624	55.154	ug/l	95
45) 1,2-Dichloropropane	9.37	63	73544	53.025	ug/l	98
46) Dibromomethane	9.46	93	41792	51.523	ug/l	94
47) Bromodichloromethane	9.65	83	108726	53.340	ug/l	99
48) Methyl methacrylate	9.43	41	41559	50.891	ug/l	95
49) 1,4-Dioxane	9.44	88	13295	1003.370	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	215530	238.285	ug/l	99
52) Toluene	10.39	92	211563	53.943	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	106777	51.723	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	124418	52.772	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	61623	52.831	ug/l	98
56) Ethyl methacrylate	10.65	69	78590	48.854	ug/l	99
57) 1,3-Dichloropropane	10.93	76	102648	52.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	181913	255.305	ug/l	97
59) 2-Hexanone	10.97	43	149648	231.931	ug/l	100
60) Dibromochloromethane	11.13	129	80339	54.422	ug/l	99
61) 1,2-Dibromoethane	11.24	107	61785	52.291	ug/l	100
64) Tetrachloroethene	10.86	164	76312	54.607	ug/l	95
65) Chlorobenzene	11.66	112	231736	54.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	84331	55.100	ug/l	100
67) Ethyl Benzene	11.73	91	391193	51.860	ug/l	98
68) m/p-Xylenes	11.84	106	312434	105.597	ug/l	99
69) o-Xylene	12.17	106	148546	52.991	ug/l	98
70) Styrene	12.18	104	254024	53.408	ug/l	99
71) Bromoform	12.35	173	45406	53.873	ug/l #	99
73) Isopropylbenzene	12.47	105	395616	49.507	ug/l	99
74) N-amyl acetate	12.27	43	79737	43.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	68889	47.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48517m	47.463	ug/l	
77) Bromobenzene	12.75	156	97078	54.285	ug/l	94
78) n-propylbenzene	12.80	91	453709	48.719	ug/l	99
79) 2-Chlorotoluene	12.90	91	267078	49.453	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	339827	50.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	21805	44.519	ug/l	98
82) 4-Chlorotoluene	12.99	91	278240	49.635	ug/l	99
83) tert-Butylbenzene	13.21	119	303000	51.252	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	335569	49.782	ug/l	99
85) sec-Butylbenzene	13.38	105	402915	48.700	ug/l	98
86) p-Isopropyltoluene	13.50	119	368987	49.274	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181984	51.870	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	185263	52.629	ug/l	99
89) n-Butylbenzene	13.83	91	339881	47.717	ug/l	99
90) Hexachloroethane	14.10	117	74100	51.122	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	167737	52.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11965	44.271	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	116922	53.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	64530	55.535	ug/l	100
95) Naphthalene	15.37	128	223648	48.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100697	53.803	ug/l	100

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

