

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009242.D
 Acq On : 19 Mar 2019 15:39
 Operator : SY/VA
 Sample : VW0319SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:09 AM

Quant Time: Mar 20 07:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152957	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	7.88	113	135472	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	10.32	98	502446	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.62	95	188992	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43012	22.413	ug/l	100
3) Chloromethane	2.21	50	46863	21.245	ug/l	96
4) Vinyl Chloride	2.37	62	67602	20.881	ug/l	96
5) Bromomethane	2.78	94	55842	21.151	ug/l	97
6) Chloroethane	2.93	64	53805	21.421	ug/l	95
7) Trichlorofluoromethane	3.26	101	44882	21.162	ug/l	96
8) Diethyl Ether	3.67	74	29897	19.547	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60214	19.600	ug/l	95
10) Methyl Iodide	4.27	142	89269	20.157	ug/l	99
11) Tert butyl alcohol	5.17	59	20119	107.068	ug/l	99
12) 1,1-Dichloroethene	4.03	96	58901	20.282	ug/l	95
13) Acrolein	3.89	56	13804	90.000	ug/l	96
14) Allyl chloride	4.67	41	89330	20.865	ug/l	98
15) Acrylonitrile	5.36	53	64797	100.804	ug/l	99
16) Acetone	4.12	43	72487	109.157	ug/l	98
17) Carbon Disulfide	4.37	76	165793	20.478	ug/l	97
18) Methyl Acetate	4.67	43	31498	18.482	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74088	20.786	ug/l	97
20) Methylene Chloride	4.92	84	60410	20.157	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	59987	20.077	ug/l	98
22) Diisopropyl ether	6.31	45	183249	19.854	ug/l	99
23) Vinyl Acetate	6.25	43	592203	102.261	ug/l	98
24) 1,1-Dichloroethane	6.21	63	111643	19.600	ug/l	100
25) 2-Butanone	7.17	43	99089	104.137	ug/l	99
26) 2,2-Dichloropropane	7.16	77	66743	20.970	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	64101	19.803	ug/l	97
28) Bromochloromethane	7.51	49	48350	19.352	ug/l	99
29) Tetrahydrofuran	7.52	42	59572	98.497	ug/l	97
30) Chloroform	7.67	83	114814	19.372	ug/l	97
31) Cyclohexane	7.95	56	106460	20.047	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	94643	20.006	ug/l	98
36) 1,1-Dichloropropene	8.08	75	89968	19.578	ug/l	97
37) Ethyl Acetate	7.25	43	42074	20.064	ug/l	98
38) Carbon Tetrachloride	8.06	117	93988	19.326	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105033	19.755	ug/l	90
40) Benzene	8.32	78	245468	19.698	ug/l	99
41) Methacrylonitrile	7.48	41	23980	21.218	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	79858	19.604	ug/l	99
43) Isopropyl Acetate	8.42	43	81874	19.499	ug/l	100
44) Trichloroethene	9.09	130	66099	19.362	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61523	19.421	ug/l	96
46) Dibromomethane	9.46	93	34416	19.756	ug/l	96
47) Bromodichloromethane	9.64	83	84531	19.202	ug/l	98
48) Methyl methacrylate	9.43	41	38299	19.701	ug/l	95
49) 1,4-Dioxane	9.45	88	11144	412.435	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	217077	99.197	ug/l	100
52) Toluene	10.38	92	156604	19.833	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	83450	19.440	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	92928	19.242	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45959	19.484	ug/l	94
56) Ethyl methacrylate	10.65	69	55149	19.634	ug/l	98
57) 1,3-Dichloropropane	10.93	76	80559	19.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	143277	174.335	ug/l	100
59) 2-Hexanone	10.97	43	150540	101.329	ug/l	98
60) Dibromochloromethane	11.13	129	55928	19.191	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44812	19.946	ug/l	99
64) Tetrachloroethene	10.86	164	54300	18.619	ug/l	98
65) Chlorobenzene	11.66	112	170677	19.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	61702	18.757	ug/l	98
67) Ethyl Benzene	11.73	91	298933	19.597	ug/l	99
68) m/p-Xylenes	11.84	106	234128	39.599	ug/l	100
69) o-Xylene	12.16	106	107150	19.516	ug/l	98
70) Styrene	12.18	104	175181	19.352	ug/l	99
71) Bromoform	12.35	173	33535	18.664	ug/l #	98
73) Isopropylbenzene	12.47	105	304429	19.780	ug/l	100
74) N-amyl acetate	12.27	43	78021	19.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56574	19.650	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38784m	17.923	ug/l	
77) Bromobenzene	12.75	156	69781	19.141	ug/l	99
78) n-propylbenzene	12.80	91	376241	19.904	ug/l	99
79) 2-Chlorotoluene	12.90	91	208918	19.456	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	259107	19.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	18008	20.420	ug/l	98
82) 4-Chlorotoluene	12.99	91	224392	19.836	ug/l	100
83) tert-Butylbenzene	13.21	119	222329	19.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	270392	20.151	ug/l	98
85) sec-Butylbenzene	13.38	105	331187	20.037	ug/l	100
86) p-Isopropyltoluene	13.50	119	293598	19.948	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150601	19.962	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	145910	19.424	ug/l	99
89) n-Butylbenzene	13.83	91	286758	20.296	ug/l	100
90) Hexachloroethane	14.10	117	55644	19.175	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	131158	19.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10320	20.019	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92465	20.352	ug/l	99
94) Hexachlorobutadiene	15.24	225	56690	19.619	ug/l	98
95) Naphthalene	15.37	128	157491	20.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	82092	20.242	ug/l	99

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

