

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010632.D
 Acq On : 31 May 2019 13:10
 Operator : SY/VA
 Sample : VW0531SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:44:30 AM

Quant Time: Jun 01 05:07:55 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	172245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87337	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.88	113	90292	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.32	98	344186	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	135848	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24286	15.634	ug/l	97
3) Chloromethane	2.21	50	26623	14.711	ug/l	99
4) Vinyl Chloride	2.36	62	31575	15.063	ug/l	98
5) Bromomethane	2.74	94	23223	16.103	ug/l	91
6) Chloroethane	2.90	64	22462	16.692	ug/l	97
7) Trichlorofluoromethane	3.25	101	61105	19.744	ug/l	100
8) Diethyl Ether	3.68	74	18998	19.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38509	20.205	ug/l	97
10) Methyl Iodide	4.27	142	34284	15.738	ug/l	99
11) Tert butyl alcohol	5.17	59	29302m	183.232	ug/l	
12) 1,1-Dichloroethene	4.03	96	35598	19.566	ug/l	95
13) Acrolein	3.90	56	7879	68.343	ug/l	100
14) Allyl chloride	4.67	41	48275	18.331	ug/l	99
15) Acrylonitrile	5.37	53	38594	93.935	ug/l	99
16) Acetone	4.12	43	43922	121.030	ug/l	97
17) Carbon Disulfide	4.38	76	87016	16.035	ug/l	99
18) Methyl Acetate	4.67	43	19014	21.423	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	90929	19.605	ug/l	99
20) Methylene Chloride	4.92	84	39206	14.847	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	41332	19.806	ug/l	96
22) Diisopropyl ether	6.31	45	103773	19.217	ug/l	97
23) Vinyl Acetate	6.26	43	295207	91.520	ug/l	97
24) 1,1-Dichloroethane	6.21	63	63709	19.770	ug/l	98
25) 2-Butanone	7.17	43	55180	106.249	ug/l	95
26) 2,2-Dichloropropane	7.17	77	67164	21.881	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	46330	20.421	ug/l	97
28) Bromochloromethane	7.51	49	24109	20.896	ug/l	92
29) Tetrahydrofuran	7.53	42	32781	93.279	ug/l	98
30) Chloroform	7.68	83	70329	20.234	ug/l	100
31) Cyclohexane	7.95	56	61889	18.335	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	65483	19.711	ug/l	97
36) 1,1-Dichloropropene	8.08	75	55196	20.747	ug/l	98
37) Ethyl Acetate	7.26	43	22348	19.753	ug/l	97
38) Carbon Tetrachloride	8.07	117	59246	20.643	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72294	20.282	ug/l	98
40) Benzene	8.32	78	155251	20.995	ug/l	99
41) Methacrylonitrile	7.49	41	13380	19.904	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	44117	20.874	ug/l	100
43) Isopropyl Acetate	8.43	43	43739	19.352	ug/l	98
44) Trichloroethene	9.09	130	46250	21.068	ug/l	97
45) 1,2-Dichloropropane	9.37	63	36952	21.041	ug/l	98
46) Dibromomethane	9.46	93	21209	20.650	ug/l	96
47) Bromodichloromethane	9.65	83	51910	20.112	ug/l	98
48) Methyl methacrylate	9.44	41	19073	18.446	ug/l	94
49) 1,4-Dioxane	9.45	88	6608	393.854	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	117338	102.452	ug/l	100
52) Toluene	10.39	92	107615	21.670	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	50795	19.432	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	59941	20.079	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31635	21.419	ug/l	97
56) Ethyl methacrylate	10.65	69	39202	19.246	ug/l	98
57) 1,3-Dichloropropane	10.93	76	52371	21.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	89019	98.667	ug/l	98
59) 2-Hexanone	10.97	43	81009	99.155	ug/l	99
60) Dibromochloromethane	11.13	129	37038	19.815	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31339	20.947	ug/l	98
64) Tetrachloroethene	10.87	164	39513	22.174	ug/l	95
65) Chlorobenzene	11.66	112	118821	21.811	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	41864	21.452	ug/l	99
67) Ethyl Benzene	11.73	91	204467	21.258	ug/l	99
68) m/p-Xylenes	11.84	106	163067	43.223	ug/l	99
69) o-Xylene	12.17	106	76481	21.397	ug/l	97
70) Styrene	12.18	104	129713	21.388	ug/l	99
71) Bromoform	12.35	173	20343	18.929	ug/l #	99
73) Isopropylbenzene	12.47	105	209356	20.198	ug/l	100
74) N-amyl acetate	12.27	43	41623	17.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	36502	19.362	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	26775m	20.194	ug/l	
77) Bromobenzene	12.75	156	49859	21.495	ug/l	96
78) n-propylbenzene	12.80	91	239632	19.838	ug/l	98
79) 2-Chlorotoluene	12.90	91	140832	20.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	175520	19.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10165	16.000	ug/l	92
82) 4-Chlorotoluene	12.99	91	148736	20.456	ug/l	100
83) tert-Butylbenzene	13.21	119	159036	20.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	177265	20.274	ug/l	100
85) sec-Butylbenzene	13.38	105	212168	19.771	ug/l	100
86) p-Isopropyltoluene	13.50	119	194926	20.068	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98464	21.637	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96323	21.096	ug/l	99
89) n-Butylbenzene	13.83	91	180455	19.532	ug/l	99
90) Hexachloroethane	14.10	117	34718	18.466	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88731	21.399	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6174	17.612	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57203	20.276	ug/l	99
94) Hexachlorobutadiene	15.24	225	31241	20.728	ug/l	97
95) Naphthalene	15.37	128	109068	18.417	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50560	20.827	ug/l	99

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

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