

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010502.D
 Acq On : 22 May 2019 11:30
 Operator : SY/VA
 Sample : VW0522SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:42:17 AM

Quant Time: May 23 07:10:32 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	141223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	246522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	73438	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	77771	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.32	98	310949	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	114897	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22930	18.047	ug/l	99
3) Chloromethane	2.21	50	27682	18.656	ug/l	98
4) Vinyl Chloride	2.36	62	29804	17.341	ug/l	97
5) Bromomethane	2.76	94	27014	22.847	ug/l	95
6) Chloroethane	2.91	64	20769	18.824	ug/l	99
7) Trichlorofluoromethane	3.26	101	53576	21.114	ug/l	98
8) Diethyl Ether	3.68	74	14894	18.517	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33399	21.373	ug/l	99
10) Methyl Iodide	4.27	142	30007	16.800	ug/l	98
11) Tert butyl alcohol	5.19	59	8665	66.087	ug/l	99
12) 1,1-Dichloroethene	4.03	96	31697	21.249	ug/l	99
13) Acrolein	3.90	56	8072	91.510	ug/l	99
14) Allyl chloride	4.67	41	43742	20.258	ug/l	98
15) Acrylonitrile	5.37	53	27489	81.603	ug/l	98
16) Acetone	4.14	43	22440	75.418	ug/l	100
17) Carbon Disulfide	4.37	76	87249	19.610	ug/l	99
18) Methyl Acetate	4.67	43	12562	17.263	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70405	18.514	ug/l	97
20) Methylene Chloride	4.91	84	32114	14.827	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35971	21.023	ug/l	98
22) Diisopropyl ether	6.31	45	87305	19.719	ug/l	98
23) Vinyl Acetate	6.26	43	240968	91.115	ug/l	100
24) 1,1-Dichloroethane	6.21	63	56285	21.303	ug/l	99
25) 2-Butanone	7.17	43	33656	79.040	ug/l	96
26) 2,2-Dichloropropane	7.17	77	55068	21.881	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39519	21.245	ug/l	100
28) Bromochloromethane	7.51	49	19861	20.996	ug/l	96
29) Tetrahydrofuran	7.53	42	21927	76.100	ug/l	99
30) Chloroform	7.67	83	60547	21.246	ug/l	95
31) Cyclohexane	7.95	56	55791	20.159	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	57881	21.250	ug/l	97
36) 1,1-Dichloropropene	8.08	75	48759	21.232	ug/l	100
37) Ethyl Acetate	7.25	43	15274	15.640	ug/l	99
38) Carbon Tetrachloride	8.07	117	53940	21.774	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64747	21.044	ug/l	98
40) Benzene	8.32	78	134546	21.079	ug/l	99
41) Methacrylonitrile	7.48	41	10308	17.765	ug/l	91
42) 1,2-Dichloroethane	8.40	62	36241	19.866	ug/l	99
43) Isopropyl Acetate	8.42	43	31936	16.369	ug/l	97
44) Trichloroethene	9.09	130	39819	21.013	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31402	20.715	ug/l	97
46) Dibromomethane	9.46	93	17105	19.294	ug/l	99
47) Bromodichloromethane	9.65	83	44763	20.092	ug/l	99
48) Methyl methacrylate	9.43	41	14482	16.225	ug/l	96
49) 1,4-Dioxane	9.46	88	3606	248.993	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	77906	78.804	ug/l	100
52) Toluene	10.39	92	91540	21.355	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	43267	19.176	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	51984	20.173	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24401	19.140	ug/l	97
56) Ethyl methacrylate	10.65	69	29778	16.936	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40865	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74198	95.274	ug/l	98
59) 2-Hexanone	10.97	43	55027	78.028	ug/l	99
60) Dibromochloromethane	11.13	129	30584	18.955	ug/l	98
61) 1,2-Dibromoethane	11.24	107	24076	18.643	ug/l	99
64) Tetrachloroethene	10.86	164	31846	21.206	ug/l	98
65) Chlorobenzene	11.66	112	98430	21.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	35030	21.299	ug/l	99
67) Ethyl Benzene	11.73	91	175903	21.700	ug/l	99
68) m/p-Xylenes	11.84	106	136365	42.889	ug/l	99
69) o-Xylene	12.16	106	65016	21.583	ug/l	97
70) Styrene	12.18	104	108658	21.259	ug/l	99
71) Bromoform	12.35	173	16190	17.875	ug/l #	99
73) Isopropylbenzene	12.46	105	177789	22.754	ug/l	100
74) N-amyl acetate	12.27	43	29986	16.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	25745	18.115	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17802m	17.811	ug/l	
77) Bromobenzene	12.75	156	38678	22.120	ug/l	98
78) n-propylbenzene	12.80	91	202337	22.221	ug/l	100
79) 2-Chlorotoluene	12.90	91	116554	22.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	147431	22.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8534	17.820	ug/l	96
82) 4-Chlorotoluene	12.99	91	121922	22.244	ug/l	99
83) tert-Butylbenzene	13.21	119	129115	22.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	145677	22.103	ug/l	100
85) sec-Butylbenzene	13.38	105	181126	22.390	ug/l	99
86) p-Isopropyltoluene	13.50	119	163662	22.352	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74520	21.723	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	73922	21.477	ug/l	98
89) n-Butylbenzene	13.83	91	152620	21.914	ug/l	99
90) Hexachloroethane	14.10	117	31527	22.245	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	66137	21.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4282	16.204	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42842	20.145	ug/l	99
94) Hexachlorobutadiene	15.24	225	24037	21.157	ug/l	97
95) Naphthalene	15.37	128	77444	17.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35801	19.564	ug/l	99

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

