

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015279.D
 Acq On : 21 Apr 2020 23:23
 Operator : SY/VA
 Sample : VW0421SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:52 AM

Quant Time: Apr 22 07:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	94548	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	7.88	113	95236	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.32	98	373148	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	141657	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	32567	19.726	ug/l	100
3) Chloromethane	2.21	50	37164	20.671	ug/l	99
4) Vinyl Chloride	2.36	62	43178	20.337	ug/l	98
5) Bromomethane	2.76	94	36745	24.342	ug/l	92
6) Chloroethane	2.92	64	26410	20.054	ug/l	98
7) Trichlorofluoromethane	3.26	101	60496	20.137	ug/l	100
8) Diethyl Ether	3.69	74	18520	21.962	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.07	101	37350	20.160	ug/l	91
10) Methyl Iodide	4.28	142	36937	18.982	ug/l	99
11) Tert butyl alcohol	5.19	59	12811	91.924	ug/l	97
12) 1,1-Dichloroethene	4.04	96	36397	20.410	ug/l	90
13) Acrolein	3.90	56	10075	138.121	ug/l	99
14) Allyl chloride	4.67	41	46110	19.491	ug/l #	84
15) Acrylonitrile	5.38	53	32060	99.903	ug/l	98
16) Acetone	4.13	43	23278	77.954	ug/l	95
17) Carbon Disulfide	4.39	76	105648	19.936	ug/l	99
18) Methyl Acetate	4.68	43	15639	19.785	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	89156	21.779	ug/l	93
20) Methylene Chloride	4.92	84	40617	20.754	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	42331	20.931	ug/l	92
22) Diisopropyl ether	6.32	45	95363	21.013	ug/l	94
23) Vinyl Acetate	6.26	43	278561	104.596	ug/l #	94
24) 1,1-Dichloroethane	6.22	63	66235	21.058	ug/l	98
25) 2-Butanone	7.18	43	37682	95.113	ug/l	94
26) 2,2-Dichloropropane	7.17	77	62312	18.831	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	47102	21.573	ug/l	97
28) Bromochloromethane	7.51	49	24527	21.448	ug/l #	72
29) Tetrahydrofuran	7.54	42	24834	100.613	ug/l #	87
30) Chloroform	7.68	83	72921	21.481	ug/l	100
31) Cyclohexane	7.95	56	60363	19.092	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	68530	20.917	ug/l	98
36) 1,1-Dichloropropene	8.09	75	56376	20.500	ug/l	98
37) Ethyl Acetate	7.26	43	18568	20.805	ug/l	97
38) Carbon Tetrachloride	8.07	117	59991	19.962	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	69360	18.950	ug/l	95
40) Benzene	8.32	78	155198	21.127	ug/l	98
41) Methacrylonitrile	7.48	41	9850	18.394	ug/l #	82
42) 1,2-Dichloroethane	8.40	62	45183	20.893	ug/l	99
43) Isopropyl Acetate	8.43	43	37800	20.194	ug/l	94
44) Trichloroethene	9.09	130	49757	22.144	ug/l	94
45) 1,2-Dichloropropane	9.37	63	36661	21.460	ug/l	97
46) Dibromomethane	9.46	93	21359	21.614	ug/l #	87
47) Bromodichloromethane	9.65	83	56540	21.403	ug/l	99
48) Methyl methacrylate	9.44	41	16302	18.423	ug/l #	80
49) 1,4-Dioxane	9.45	88	4802	364.512	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	88371	100.570	ug/l	97
52) Toluene	10.39	92	105964	20.611	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	52905	20.311	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62375	20.602	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29580	21.377	ug/l	97
56) Ethyl methacrylate	10.65	69	35519	19.925	ug/l	92
57) 1,3-Dichloropropane	10.93	76	48851	21.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	86692	104.898	ug/l	89
59) 2-Hexanone	10.97	43	58302	92.948	ug/l	96
60) Dibromochloromethane	11.13	129	39570	21.658	ug/l	99
61) 1,2-Dibromoethane	11.24	107	28891	21.397	ug/l	99
64) Tetrachloroethene	10.86	164	42902	21.175	ug/l	93
65) Chlorobenzene	11.66	112	116178	20.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44737	22.345	ug/l	96
67) Ethyl Benzene	11.73	91	209940	20.209	ug/l	97
68) m/p-Xylenes	11.84	106	164406	40.375	ug/l	99
69) o-Xylene	12.16	106	79327	20.871	ug/l	97
70) Styrene	12.18	104	133484	20.604	ug/l	99
71) Bromoform	12.35	173	24268	21.512	ug/l #	96
73) Isopropylbenzene	12.46	105	216051	19.992	ug/l	100
74) N-amyl acetate	12.27	43	36708	19.525	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	30832	20.094	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	20003m	16.589	ug/l	
77) Bromobenzene	12.74	156	52504	21.147	ug/l	82
78) n-propylbenzene	12.80	91	250350	19.897	ug/l	97
79) 2-Chlorotoluene	12.89	91	143148	20.187	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	190032	20.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10152	18.405	ug/l	95
82) 4-Chlorotoluene	12.99	91	152660	20.277	ug/l	98
83) tert-Butylbenzene	13.20	119	164136	20.173	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	188145	20.491	ug/l	100
85) sec-Butylbenzene	13.38	105	223291	19.872	ug/l	98
86) p-Isopropyltoluene	13.50	119	212521	20.354	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101908	20.658	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	101143	20.915	ug/l	97
89) n-Butylbenzene	13.82	91	186102	19.500	ug/l	98
90) Hexachloroethane	14.09	117	38714	20.218	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	90967	21.220	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5341	19.235	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60517	20.310	ug/l	97
94) Hexachlorobutadiene	15.24	225	41790	21.036	ug/l	98
95) Naphthalene	15.36	128	95317	19.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	51813	21.372	ug/l	95

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

