

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062420\
 Data File : VW015674.D
 Acq On : 24 Jun 2020 11:28
 Operator : SY/VA
 Sample : VW0624SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 4:15:26 PM

Quant Time: Jun 25 02:48:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	325816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	105597	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
35) Dibromofluoromethane	7.88	113	93304	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
50) Toluene-d8	10.32	98	375137	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.62	95	138058	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25349	20.198	ug/l	97
3) Chloromethane	2.21	50	28593	19.402	ug/l	97
4) Vinyl Chloride	2.37	62	44902	18.847	ug/l	99
5) Bromomethane	2.78	94	34944	19.956	ug/l	100
6) Chloroethane	2.92	64	30286	19.317	ug/l	98
7) Trichlorofluoromethane	3.26	101	31448	17.580	ug/l	94
8) Diethyl Ether	3.68	74	18940	18.333	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40050	18.994	ug/l	98
10) Methyl Iodide	4.28	142	53207	17.846	ug/l	100
11) Tert butyl alcohol	5.19	59	11787	66.368	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	37464	18.247	ug/l	97
13) Acrolein	3.89	56	14475	88.976	ug/l	100
14) Allyl chloride	4.67	41	59354	17.818	ug/l	99
15) Acrylonitrile	5.37	53	37271	87.439	ug/l	99
16) Acetone	4.13	43	37979	85.308	ug/l	99
17) Carbon Disulfide	4.38	76	102467	17.340	ug/l	99
18) Methyl Acetate	4.68	43	18200	16.670	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	55897	18.090	ug/l	99
20) Methylene Chloride	4.92	84	51530	21.126	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	42107	17.888	ug/l	96
22) Diisopropyl ether	6.31	45	120939	18.255	ug/l	96
23) Vinyl Acetate	6.26	43	339602	87.900	ug/l	99
24) 1,1-Dichloroethane	6.21	63	76129	18.255	ug/l	99
25) 2-Butanone	7.18	43	51788	86.069	ug/l	98
26) 2,2-Dichloropropane	7.17	77	50817	18.168	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	46748	18.461	ug/l	99
28) Bromochloromethane	7.51	49	30099	18.763	ug/l	97
29) Tetrahydrofuran	7.54	42	30040	84.958	ug/l	99
30) Chloroform	7.68	83	78216	18.288	ug/l	99
31) Cyclohexane	7.96	56	72964	18.087	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	67434	18.497	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64035	18.896	ug/l	99
37) Ethyl Acetate	7.26	43	23519	18.176	ug/l	98
38) Carbon Tetrachloride	8.07	117	61280	18.655	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	75200	18.321	ug/l	99
40) Benzene	8.32	78	172391	18.709	ug/l	98
41) Methacrylonitrile	7.49	41	13680	18.422	ug/l	93
42) 1,2-Dichloroethane	8.40	62	54199	19.013	ug/l	100
43) Isopropyl Acetate	8.43	43	46826	18.135	ug/l	99
44) Trichloroethene	9.09	130	45881	18.473	ug/l	95
45) 1,2-Dichloropropane	9.37	63	42125	18.703	ug/l	98
46) Dibromomethane	9.46	93	21540	18.484	ug/l	99
47) Bromodichloromethane	9.65	83	56645	18.635	ug/l	97
48) Methyl methacrylate	9.44	41	20723	17.554	ug/l	99
49) 1,4-Dioxane	9.46	88	5232	342.248	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	110229	88.521	ug/l	99
52) Toluene	10.39	92	111490	18.738	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	52181	17.770	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	63772	18.179	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	30491	18.819	ug/l	98
56) Ethyl methacrylate	10.65	69	35529	17.624	ug/l	96
57) 1,3-Dichloropropane	10.93	76	54126	18.843	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	93595	98.107	ug/l	100
59) 2-Hexanone	10.97	43	74506	87.887	ug/l	100
60) Dibromochloromethane	11.13	129	33990	18.002	ug/l	99
61) 1,2-Dibromoethane	11.24	107	28271	18.254	ug/l	99
64) Tetrachloroethene	10.87	164	39459	18.595	ug/l	98
65) Chlorobenzene	11.66	112	117993	18.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41167	18.436	ug/l	100
67) Ethyl Benzene	11.73	91	218558	18.441	ug/l	98
68) m/p-Xylenes	11.84	106	166235	37.353	ug/l	100
69) o-Xylene	12.17	106	74863	18.295	ug/l	99
70) Styrene	12.18	104	128405	18.366	ug/l	98
71) Bromoform	12.35	173	17112	16.656	ug/l #	97
73) Isopropylbenzene	12.47	105	211725	17.973	ug/l	99
74) N-amyl acetate	12.27	43	42553	17.040	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	33384	17.715	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24541m	17.423	ug/l	
77) Bromobenzene	12.75	156	48454	18.447	ug/l	99
78) n-propylbenzene	12.80	91	262155	18.489	ug/l	100
79) 2-Chlorotoluene	12.90	91	145825	18.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	182097	18.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9207	16.472	ug/l	94
82) 4-Chlorotoluene	12.99	91	153846	18.214	ug/l	100
83) tert-Butylbenzene	13.21	119	154140	18.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	181962	18.280	ug/l	100
85) sec-Butylbenzene	13.38	105	222626	18.470	ug/l	100
86) p-Isopropyltoluene	13.50	119	205949	18.806	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	96190	18.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93240	18.055	ug/l	98
89) n-Butylbenzene	13.82	91	196143	18.658	ug/l	99
90) Hexachloroethane	14.10	117	34683	17.796	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	82895	18.386	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5267	17.454	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	53466	17.958	ug/l	100
94) Hexachlorobutadiene	15.24	225	34613	18.249	ug/l	98
95) Naphthalene	15.37	128	82123	16.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	45610	17.793	ug/l	95

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

