

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015652.D
 Acq On : 23 Jun 2020 10:53
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:08 AM

Quant Time: Jun 23 12:53:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 12:41:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	330398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149001	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	12679	5.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.92%	
35) Dibromofluoromethane	7.89	113	11415	5.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.66%	
50) Toluene-d8	10.33	98	42157	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	12.62	95	15550	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	4908	4.277	ug/l 97
3) Chloromethane	2.21	50	7547	5.405	ug/l 98
4) Vinyl Chloride	2.36	62	10871	4.959	ug/l 97
5) Bromomethane	2.78	94	8385	5.438	ug/l 99
6) Chloroethane	2.93	64	7220	5.087	ug/l 96
7) Trichlorofluoromethane	3.26	101	7444	4.521	ug/l 99
8) Diethyl Ether	3.68	74	4954	5.110	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9811	4.963	ug/l 97
10) Methyl Iodide	4.27	142	14391	4.977	ug/l 99
11) Tert butyl alcohol	5.17	59	6075	37.723	ug/l # 93
12) 1,1-Dichloroethene	4.04	96	9391	4.789	ug/l 96
13) Acrolein	3.89	56	4132	31.234	ug/l 99
14) Allyl chloride	4.67	41	15344	4.664	ug/l 98
15) Acrylonitrile	5.38	53	10273	26.097	ug/l 98
16) Acetone	4.12	43	11051	25.664	ug/l 95
17) Carbon Disulfide	4.38	76	25562	4.372	ug/l 99
18) Methyl Acetate	4.67	43	6683	7.155	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	15328	5.172	ug/l 100
20) Methylene Chloride	4.92	84	14183	6.360	ug/l 97
21) trans-1,2-Dichloroethene	5.43	96	11448	5.190	ug/l 87
22) Diisopropyl ether	6.32	45	30981	4.962	ug/l 90
23) Vinyl Acetate	6.26	43	82369	22.492	ug/l 99
24) 1,1-Dichloroethane	6.22	63	20383	5.178	ug/l 98
25) 2-Butanone	7.18	43	15745	28.421	ug/l 98
26) 2,2-Dichloropropane	7.16	77	15043	5.446	ug/l 92
27) cis-1,2-Dichloroethene	7.18	96	11810	4.923	ug/l 92
28) Bromochloromethane	7.51	49	8326	5.642	ug/l 99
29) Tetrahydrofuran	7.54	42	8557	25.886	ug/l 98
30) Chloroform	7.68	83	21215	5.338	ug/l 98
31) Cyclohexane	7.96	56	21270	5.476	ug/l # 80
32) 1,1,1-Trichloroethane	7.88	97	17400	5.050	ug/l 97
36) 1,1-Dichloropropene	8.09	75	15849	4.685	ug/l 99
37) Ethyl Acetate	7.26	43	6873	5.392	ug/l 99
38) Carbon Tetrachloride	8.07	117	15249	4.628	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17752	4.258	ug/l	98
40) Benzene	8.33	78	44512	4.893	ug/l	96
41) Methacrylonitrile	7.49	41	3356	4.650	ug/l	97
42) 1,2-Dichloroethane	8.40	62	14110	5.109	ug/l	100
43) Isopropyl Acetate	8.43	43	12334	4.876	ug/l	100
44) Trichloroethene	9.10	130	12060	4.950	ug/l	98
45) 1,2-Dichloropropane	9.37	63	11233	5.086	ug/l	98
46) Dibromomethane	9.46	93	5834	5.208	ug/l	100
47) Bromodichloromethane	9.65	83	14348	4.723	ug/l	98
48) Methyl methacrylate	9.44	41	5422	4.677	ug/l	93
49) 1,4-Dioxane	9.45	88	1417	96.038	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	29726	24.724	ug/l	97
52) Toluene	10.39	92	27900	4.750	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	13113	4.415	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	15631	4.431	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	7939	5.078	ug/l	95
56) Ethyl methacrylate	10.65	69	8820	4.371	ug/l	95
57) 1,3-Dichloropropane	10.93	76	14222	5.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	20317	21.059	ug/l	98
59) 2-Hexanone	10.97	43	19251	23.292	ug/l	98
60) Dibromochloromethane	11.13	129	8307	4.367	ug/l	97
61) 1,2-Dibromoethane	11.24	107	7484	5.009	ug/l	98
64) Tetrachloroethene	10.87	164	10545	5.123	ug/l	98
65) Chlorobenzene	11.66	112	30844	4.976	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	10137	4.586	ug/l	96
67) Ethyl Benzene	11.73	91	54101	4.635	ug/l	99
68) m/p-Xylenes	11.84	106	39609	9.088	ug/l	94
69) o-Xylene	12.16	106	18157	4.488	ug/l	97
70) Styrene	12.18	104	30076	4.353	ug/l	99
71) Bromoform	12.35	173	4197	4.020	ug/l #	94
73) Isopropylbenzene	12.47	105	51004	4.466	ug/l	100
74) N-amyl acetate	12.27	43	11082	4.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	8928	5.148	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6618m	5.276	ug/l	
77) Bromobenzene	12.75	156	12358	5.014	ug/l	98
78) n-propylbenzene	12.80	91	62359	4.558	ug/l	100
79) 2-Chlorotoluene	12.90	91	35853	4.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	43126	4.469	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2082	3.674	ug/l #	85
82) 4-Chlorotoluene	12.99	91	38065	4.755	ug/l	99
83) tert-Butylbenzene	13.21	119	36026	4.395	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	43597	4.530	ug/l	98
85) sec-Butylbenzene	13.38	105	51460	4.419	ug/l	100
86) p-Isopropyltoluene	13.50	119	45709	4.303	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	24120	4.922	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	24934	5.150	ug/l	94
89) n-Butylbenzene	13.82	91	44396	4.338	ug/l	99
90) Hexachloroethane	14.10	117	8414	4.323	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	20631	4.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1304	4.408	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12938	4.413	ug/l	98
94) Hexachlorobutadiene	15.24	225	8398	4.651	ug/l	97
95) Naphthalene	15.37	128	18963	3.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	11364	4.632	ug/l	96

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

