

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015521.D
 Acq On : 02 Jun 2020 11:50
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:14 PM

Quant Time: Jun 02 13:26:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	24388	9.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.94%	
35) Dibromofluoromethane	7.88	113	21746	10.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.24%	
50) Toluene-d8	10.32	98	86791	9.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.66%	
62) 4-Bromofluorobenzene	12.62	95	30654	9.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12716	9.345	ug/l 97
3) Chloromethane	2.21	50	16747	9.902	ug/l 95
4) Vinyl Chloride	2.36	62	25782	10.024	ug/l 97
5) Bromomethane	2.78	94	18148	9.028	ug/l 98
6) Chloroethane	2.93	64	16503	9.318	ug/l 98
7) Trichlorofluoromethane	3.26	101	18857	9.926	ug/l 99
8) Diethyl Ether	3.68	74	11961	9.993	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23446	10.583	ug/l 99
10) Methyl Iodide	4.26	142	33874	10.112	ug/l 100
11) Tert butyl alcohol	5.18	59	9712	61.864	ug/l # 88
12) 1,1-Dichloroethene	4.04	96	23119	10.116	ug/l 95
13) Acrolein	3.89	56	7947	43.129	ug/l 97
14) Allyl chloride	4.67	41	38954	9.738	ug/l 98
15) Acrylonitrile	5.38	53	23416	47.655	ug/l 100
16) Acetone	4.12	43	23453	52.348	ug/l 95
17) Carbon Disulfide	4.38	76	70175	10.060	ug/l 100
18) Methyl Acetate	4.68	43	11147	10.170	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	36131	9.745	ug/l 100
20) Methylene Chloride	4.92	84	27727	10.447	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	26119	10.041	ug/l 97
22) Diisopropyl ether	6.32	45	73209	9.370	ug/l 98
23) Vinyl Acetate	6.26	43	211755	44.360	ug/l 97
24) 1,1-Dichloroethane	6.22	63	46804	9.973	ug/l 97
25) 2-Butanone	7.18	43	30466	46.354	ug/l 98
26) 2,2-Dichloropropane	7.17	77	34353	11.004	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	28356	10.010	ug/l 96
28) Bromochloromethane	7.51	49	16720	8.972	ug/l 97
29) Tetrahydrofuran	7.54	42	18957	45.133	ug/l 99
30) Chloroform	7.68	83	47378	10.137	ug/l 98
31) Cyclohexane	7.96	56	48418	10.277	ug/l # 91
32) 1,1,1-Trichloroethane	7.87	97	41193	10.496	ug/l 98
36) 1,1-Dichloropropene	8.09	75	39248	10.597	ug/l 99
37) Ethyl Acetate	7.26	43	14760	10.120	ug/l 99
38) Carbon Tetrachloride	8.07	117	37354	10.661	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	47937	10.221	ug/l	97
40) Benzene	8.32	78	105461	10.397	ug/l	99
41) Methacrylonitrile	7.48	41	7080	7.611	ug/l #	81
42) 1,2-Dichloroethane	8.40	62	31767	10.223	ug/l	100
43) Isopropyl Acetate	8.43	43	28738	9.362	ug/l	98
44) Trichloroethene	9.09	130	28132	10.685	ug/l	97
45) 1,2-Dichloropropane	9.37	63	25536	10.186	ug/l	99
46) Dibromomethane	9.46	93	12711	10.070	ug/l	97
47) Bromodichloromethane	9.65	83	34455	10.104	ug/l	98
48) Methyl methacrylate	9.44	41	12624	8.943	ug/l	98
49) 1,4-Dioxane	9.45	88	2860	175.040	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	65905	45.750	ug/l	99
52) Toluene	10.39	92	66421	10.099	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	32834	9.426	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	39391	9.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	17525	9.840	ug/l	96
56) Ethyl methacrylate	10.65	69	21712	8.925	ug/l	97
57) 1,3-Dichloropropane	10.93	76	31603	9.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	53220	45.960	ug/l	98
59) 2-Hexanone	10.97	43	44485	45.135	ug/l	99
60) Dibromochloromethane	11.13	129	20912	9.743	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17042	10.095	ug/l	97
64) Tetrachloroethene	10.86	164	23886	11.525	ug/l	91
65) Chlorobenzene	11.66	112	69677	10.442	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	24611	10.381	ug/l	99
67) Ethyl Benzene	11.73	91	131758	10.338	ug/l	99
68) m/p-Xylenes	11.84	106	96842	20.410	ug/l	97
69) o-Xylene	12.17	106	44506	9.997	ug/l	99
70) Styrene	12.18	104	75626	9.867	ug/l	100
71) Bromoform	12.35	173	11204	9.650	ug/l #	99
73) Isopropylbenzene	12.46	105	126016	10.340	ug/l	100
74) N-amyl acetate	12.27	43	25610	8.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	19017	9.876	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13649m	10.292	ug/l	
77) Bromobenzene	12.75	156	27196	10.456	ug/l	99
78) n-propylbenzene	12.80	91	150461	10.304	ug/l	100
79) 2-Chlorotoluene	12.89	91	87089	10.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	106945	10.445	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5946	8.716	ug/l	96
82) 4-Chlorotoluene	12.99	91	88650	10.186	ug/l	99
83) tert-Butylbenzene	13.21	119	91623	10.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	107035	10.443	ug/l	98
85) sec-Butylbenzene	13.38	105	129642	10.532	ug/l	98
86) p-Isopropyltoluene	13.50	119	118006	10.512	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54641	10.625	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54339	10.626	ug/l	96
89) n-Butylbenzene	13.82	91	113085	10.345	ug/l	100
90) Hexachloroethane	14.10	117	21189	10.223	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	47514	10.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3312	9.845	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	31054	10.287	ug/l	98
94) Hexachlorobutadiene	15.24	225	19493	10.904	ug/l	99
95) Naphthalene	15.36	128	50083	9.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	26286	10.112	ug/l	99

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

