

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015216.D
 Acq On : 20 Apr 2020 12:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:06 AM

Quant Time: Apr 20 13:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	10956	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
35) Dibromofluoromethane	7.89	113	10105	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
50) Toluene-d8	10.32	98	46522	5.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.30%	
62) 4-Bromofluorobenzene	12.62	95	17436	6.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	9384	7.694	ug/l 96
3) Chloromethane	2.22	50	10753	4.764	ug/l 100
4) Vinyl Chloride	2.36	62	12569	4.729	ug/l 99
5) Bromomethane	2.78	94	9636	6.887	ug/l 92
6) Chloroethane	2.93	64	8861	6.759	ug/l 97
7) Trichlorofluoromethane	3.27	101	17990	10.564	ug/l 98
8) Diethyl Ether	3.70	74	5034	3.834	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11483	4.437	ug/l 90
10) Methyl Iodide	4.28	142	8529	2.207	ug/l 97
11) Tert butyl alcohol	5.17	59	5379	29.962	ug/l # 80
12) 1,1-Dichloroethene	4.04	96	10916	4.095	ug/l 96
13) Acrolein	3.90	56	2390	12.805	ug/l 98
14) Allyl chloride	4.68	41	14317	3.631	ug/l 91
15) Acrylonitrile	5.38	53	9666	17.543	ug/l 97
16) Acetone	4.14	43	8824	20.486	ug/l 99
17) Carbon Disulfide	4.38	76	31756	3.914	ug/l 98
18) Methyl Acetate	4.68	43	5741	4.359	ug/l 97
19) Methyl tert-butyl Ether	5.43	73	23884	6.842	ug/l 97
20) Methylene Chloride	4.92	84	13610	4.563	ug/l 92
21) trans-1,2-Dichloroethene	5.43	96	12233	4.350	ug/l 92
22) Diisopropyl ether	6.32	45	27020	3.398	ug/l 94
23) Vinyl Acetate	6.26	43	75091	16.260	ug/l 95
24) 1,1-Dichloroethane	6.22	63	18874	3.992	ug/l 97
25) 2-Butanone	7.17	43	11517	16.708	ug/l # 89
26) 2,2-Dichloropropane	7.17	77	21247	6.752	ug/l 97
27) cis-1,2-Dichloroethene	7.18	96	13176	4.346	ug/l 98
28) Bromochloromethane	7.52	49	7352	3.721	ug/l 84
29) Tetrahydrofuran	7.54	42	7079	15.667	ug/l # 82
30) Chloroform	7.68	83	20628	4.454	ug/l 100
31) Cyclohexane	7.95	56	22788	4.509	ug/l # 70
32) 1,1,1-Trichloroethane	7.87	97	20042	5.137	ug/l 98
36) 1,1-Dichloropropene	8.09	75	16830	5.141	ug/l 98
37) Ethyl Acetate	7.26	43	4687	3.440	ug/l # 90
38) Carbon Tetrachloride	8.07	117	18024	5.989	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22417	5.096	ug/l	97
40) Benzene	8.32	78	43685	4.700	ug/l	98
41) Methacrylonitrile	7.49	41	3417	4.239	ug/l	93
42) 1,2-Dichloroethane	8.40	62	12477	5.289	ug/l	96
43) Isopropyl Acetate	8.43	43	10504	3.945	ug/l	96
44) Trichloroethene	9.09	130	13207	5.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	10007	4.376	ug/l	99
46) Dibromomethane	9.46	93	5825	5.096	ug/l	90
47) Bromodichloromethane	9.65	83	15643	5.279	ug/l	98
48) Methyl methacrylate	9.44	41	5172	4.153	ug/l #	85
49) 1,4-Dioxane	9.46	88	1466	80.846	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	25193	17.890	ug/l	97
52) Toluene	10.39	92	30586	5.141	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	15311	5.078	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	17643	4.851	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	8144	5.029	ug/l	96
56) Ethyl methacrylate	10.65	69	10186	4.564	ug/l	94
57) 1,3-Dichloropropane	10.93	76	13269	4.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	24908	22.551	ug/l #	89
59) 2-Hexanone	10.97	43	17414	19.704	ug/l	97
60) Dibromochloromethane	11.13	129	10571	5.471	ug/l	98
61) 1,2-Dibromoethane	11.24	107	7868	5.041	ug/l	97
64) Tetrachloroethene	10.87	164	12575	6.502	ug/l	91
65) Chlorobenzene	11.66	112	33034	5.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	11608	5.421	ug/l	98
67) Ethyl Benzene	11.73	91	62058	5.306	ug/l	99
68) m/p-Xylenes	11.84	106	47482	10.697	ug/l	99
69) o-Xylene	12.16	106	22490	5.406	ug/l	98
70) Styrene	12.18	104	36843	5.242	ug/l	98
71) Bromoform	12.35	173	6339	5.961	ug/l #	95
73) Isopropylbenzene	12.46	105	62365	4.919	ug/l	100
74) N-amyl acetate	12.27	43	9981	3.386	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	8803	4.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6782m	4.660	ug/l	
77) Bromobenzene	12.74	156	14151	5.387	ug/l	85
78) n-propylbenzene	12.80	91	71862	4.700	ug/l	96
79) 2-Chlorotoluene	12.89	91	39694	4.696	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	52961	4.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2954	3.927	ug/l	90
82) 4-Chlorotoluene	12.99	91	42361	4.743	ug/l	99
83) tert-Butylbenzene	13.21	119	46276	4.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	51627	4.865	ug/l	98
85) sec-Butylbenzene	13.38	105	63967	4.862	ug/l	98
86) p-Isopropyltoluene	13.50	119	58210	4.959	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27921	5.335	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	27090	5.218	ug/l	95
89) n-Butylbenzene	13.82	91	52070	4.487	ug/l	97
90) Hexachloroethane	14.09	117	11180	4.953	ug/l	82
91) 1,2-Dichlorobenzene	13.87	146	23706	5.095	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1446	4.204	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	15606	5.083	ug/l	98
94) Hexachlorobutadiene	15.24	225	11032	6.228	ug/l	98
95) Naphthalene	15.36	128	24489	4.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	12758	4.842	ug/l	96

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

