

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065664.D
 Acq On : 22 Apr 2020 14:10
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:37 PM

Quant Time: Apr 23 04:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	218382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	20898	11.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.64%	
35) Dibromofluoromethane	7.92	113	22045	11.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.12%	
50) Toluene-d8	10.34	98	79415	10.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.54%	
62) 4-Bromofluorobenzene	12.64	95	24801	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	17395	9.889	ug/l	99
3) Chloromethane	2.21	50	20838	10.821	ug/l	99
4) Vinyl Chloride	2.35	62	23563	11.226	ug/l	97
5) Bromomethane	2.77	94	14414	12.455	ug/l	94
6) Chloroethane	2.92	64	14870	11.875	ug/l	100
7) Trichlorofluoromethane	3.27	101	34674	11.542	ug/l	94
8) Diethyl Ether	3.70	74	9974	16.319	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	22760	16.562	ug/l	98
10) Methyl Iodide	4.30	142	18994	10.239	ug/l	93
11) Tert butyl alcohol	5.24	59	5381m	52.961	ug/l	
12) 1,1-Dichloroethene	4.06	96	20218	16.361	ug/l	93
13) Acrolein	3.91	56	6414	80.471	ug/l	92
14) Allyl chloride	4.71	41	30678	13.361	ug/l	93
15) Acrylonitrile	5.43	53	23121	59.240	ug/l	98
16) Acetone	4.16	43	21006	80.249	ug/l	99
17) Carbon Disulfide	4.40	76	68136	14.172	ug/l	98
18) Methyl Acetate	4.72	43	12630	14.711	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	38719	10.697	ug/l	99
20) Methylene Chloride	4.96	84	27896	13.536	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	22786	10.916	ug/l #	94
22) Diisopropyl ether	6.36	45	60547	10.829	ug/l	92
23) Vinyl Acetate	6.31	43	156962	52.679	ug/l	99
24) 1,1-Dichloroethane	6.26	63	40432	11.345	ug/l	98
25) 2-Butanone	7.23	43	27141	56.863	ug/l	91
26) 2,2-Dichloropropane	7.20	77	35489	11.436	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	23839	10.972	ug/l	100
28) Bromochloromethane	7.54	49	15773	10.841	ug/l	99
29) Tetrahydrofuran	7.57	42	16480	54.456	ug/l	98
30) Chloroform	7.71	83	42468	11.698	ug/l	97
31) Cyclohexane	7.98	56	36711	10.812	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	37820	11.531	ug/l	100
36) 1,1-Dichloropropene	8.11	75	31773	10.499	ug/l	100
37) Ethyl Acetate	7.30	43	13268	11.147	ug/l	97
38) Carbon Tetrachloride	8.10	117	36124	11.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33648	9.630	ug/l	99
40) Benzene	8.35	78	90316	10.426	ug/l	93
41) Methacrylonitrile	7.52	41	6621m	10.550	ug/l	
42) 1,2-Dichloroethane	8.43	62	26519	11.215	ug/l	99
43) Isopropyl Acetate	8.46	43	22504	10.453	ug/l	99
44) Trichloroethene	9.11	130	25749	10.609	ug/l	93
45) 1,2-Dichloropropane	9.39	63	21993	10.385	ug/l	95
46) Dibromomethane	9.48	93	12008	10.960	ug/l	99
47) Bromodichloromethane	9.67	83	32278	11.094	ug/l	94
48) Methyl methacrylate	9.46	41	9856	9.579	ug/l #	92
49) 1,4-Dioxane	9.47	88	2600	215.115	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	56534	51.840	ug/l	96
52) Toluene	10.41	92	56261	10.523	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	27293	10.336	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	32403	10.033	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16760	10.932	ug/l	97
56) Ethyl methacrylate	10.66	69	16227	9.863	ug/l	94
57) 1,3-Dichloropropane	10.95	76	28170	10.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	39931	45.909	ug/l	99
59) 2-Hexanone	10.99	43	37346	50.473	ug/l	99
60) Dibromochloromethane	11.14	129	21403	10.508	ug/l	95
61) 1,2-Dibromoethane	11.25	107	15635	10.541	ug/l	99
64) Tetrachloroethene	10.88	164	22899	11.084	ug/l	98
65) Chlorobenzene	11.67	112	63158	11.016	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	23380	10.671	ug/l	97
67) Ethyl Benzene	11.75	91	99375	10.144	ug/l	100
68) m/p-Xylenes	11.86	106	78440	20.699	ug/l	99
69) o-Xylene	12.18	106	31383	9.506	ug/l	99
70) Styrene	12.20	104	58069	9.927	ug/l	99
71) Bromoform	12.37	173	13809	11.253	ug/l #	100
73) Isopropylbenzene	12.48	105	90488	10.376	ug/l	100
74) N-amyl acetate	12.30	43	18952	10.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	18928	11.990	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	12314m	10.914	ug/l	
77) Bromobenzene	12.77	156	24979	10.822	ug/l	97
78) n-propylbenzene	12.83	91	110937	10.513	ug/l	99
79) 2-Chlorotoluene	12.91	91	64810	10.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	77208	10.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5637	10.670	ug/l	93
82) 4-Chlorotoluene	13.01	91	71248	11.024	ug/l	98
83) tert-Butylbenzene	13.23	119	61105	9.903	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	75979	10.355	ug/l	97
85) sec-Butylbenzene	13.41	105	90309	10.220	ug/l	100
86) p-Isopropyltoluene	13.53	119	79943	9.630	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	48517	10.685	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	51325	11.374	ug/l	97
89) n-Butylbenzene	13.86	91	75468	10.031	ug/l	96
90) Hexachloroethane	14.12	117	19907	11.402	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	44794	11.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2790	11.652	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	27085	10.174	ug/l	97
94) Hexachlorobutadiene	15.28	225	19990	10.898	ug/l	98
95) Naphthalene	15.41	128	38258	9.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	24361	10.408	ug/l	98

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

