

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066696.D
 Acq On : 15 Sep 2020 13:55
 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
 9/16/2020 11:44:16 AM

Quant Time: Sep 15 16:28:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	42496	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
35) Dibromofluoromethane	7.91	113	40762	9.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.70%	
50) Toluene-d8	10.34	98	135931	9.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.44%	
62) 4-Bromofluorobenzene	12.63	95	50887	10.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	40091	11.976	ug/l 95
3) Chloromethane	2.21	50	50394	11.563	ug/l 94
4) Vinyl Chloride	2.35	62	52731	11.561	ug/l 99
5) Bromomethane	2.77	94	38194	11.804	ug/l 94
6) Chloroethane	2.93	64	32316	11.373	ug/l # 83
7) Trichlorofluoromethane	3.27	101	88193	11.195	ug/l 97
8) Diethyl Ether	3.71	74	20845	10.566	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	48743	11.258	ug/l 98
10) Methyl Iodide	4.30	142	39676	9.658	ug/l # 97
11) Tert butyl alcohol	5.21	59	24438m	56.687	ug/l
12) 1,1-Dichloroethene	4.06	96	44839	11.189	ug/l 95
13) Acrolein	3.92	56	16140	53.557	ug/l 97
14) Allyl chloride	4.71	41	68907	10.707	ug/l 98
15) Acrylonitrile	5.42	53	46219	53.482	ug/l 99
16) Acetone	4.16	43	48971	56.279	ug/l 99
17) Carbon Disulfide	4.41	76	142128	11.287	ug/l 96
18) Methyl Acetate	4.71	43	20782	9.894	ug/l 100
19) Methyl tert-butyl Ether	5.47	73	91640	10.267	ug/l 93
20) Methylene Chloride	4.97	84	70169	11.906	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	50470	10.810	ug/l 92
22) Diisopropyl ether	6.36	45	138929	10.624	ug/l # 97
23) Vinyl Acetate	6.31	43	372364	51.192	ug/l 98
24) 1,1-Dichloroethane	6.26	63	89570	10.794	ug/l 94
25) 2-Butanone	7.21	43	60827	53.684	ug/l 97
26) 2,2-Dichloropropane	7.21	77	81398	10.608	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	53707	10.515	ug/l 95
28) Bromochloromethane	7.54	49	34200	11.034	ug/l 98
29) Tetrahydrofuran	7.56	42	35593	51.343	ug/l 99
30) Chloroform	7.71	83	96881	10.970	ug/l 96
31) Cyclohexane	7.98	56	83904	11.116	ug/l # 83
32) 1,1,1-Trichloroethane	7.90	97	87110	10.779	ug/l 99
36) 1,1-Dichloropropene	8.11	75	72788	10.491	ug/l 99
37) Ethyl Acetate	7.29	43	29036	11.054	ug/l # 92
38) Carbon Tetrachloride	8.10	117	76703	10.410	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	81774	10.304	ug/l	92
40) Benzene	8.35	78	196715	10.480	ug/l	96
41) Methacrylonitrile	7.52	41	13533	10.641	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	61809	10.628	ug/l	99
43) Isopropyl Acetate	8.44	43	50734	10.262	ug/l	100
44) Trichloroethene	9.11	130	53353	10.630	ug/l	94
45) 1,2-Dichloropropane	9.38	63	48676	10.489	ug/l	91
46) Dibromomethane	9.47	93	25844	10.135	ug/l	94
47) Bromodichloromethane	9.66	83	72594	10.447	ug/l #	99
48) Methyl methacrylate	9.45	41	26215	10.424	ug/l	96
49) 1,4-Dioxane	9.47	88	5559	203.508	ug/l #	80
51) 4-Methyl-2-Pentanone	10.23	43	132694	52.131	ug/l	96
52) Toluene	10.40	92	121764	10.126	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	61476	9.904	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	73119	9.917	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	35103	10.441	ug/l	95
56) Ethyl methacrylate	10.66	69	36752	9.633	ug/l	95
57) 1,3-Dichloropropane	10.94	76	60478	10.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	93491	55.793	ug/l	99
59) 2-Hexanone	10.98	43	84317	49.300	ug/l	98
60) Dibromochloromethane	11.14	129	44910	10.251	ug/l	95
61) 1,2-Dibromoethane	11.24	107	33937	10.523	ug/l	99
64) Tetrachloroethene	10.87	164	44958	10.906	ug/l	95
65) Chlorobenzene	11.67	112	130059	10.402	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	46340	10.045	ug/l	99
67) Ethyl Benzene	11.74	91	226109	9.984	ug/l	96
68) m/p-Xylenes	11.86	106	171511	20.038	ug/l	99
69) o-Xylene	12.18	106	74144	9.802	ug/l	99
70) Styrene	12.20	104	130444	9.798	ug/l	98
71) Bromoform	12.36	173	24210	10.457	ug/l #	100
73) Isopropylbenzene	12.48	105	204005	9.969	ug/l	99
74) N-amyl acetate	12.29	43	43657	10.113	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	37286	10.722	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24058m	10.369	ug/l	
77) Bromobenzene	12.76	156	48857	10.358	ug/l	92
78) n-propylbenzene	12.82	91	251380	10.077	ug/l	99
79) 2-Chlorotoluene	12.91	91	146172	10.362	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	173786	10.043	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11858	10.906	ug/l	93
82) 4-Chlorotoluene	13.01	91	155282	10.411	ug/l	99
83) tert-Butylbenzene	13.23	119	140411	9.845	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	170345	9.851	ug/l	100
85) sec-Butylbenzene	13.40	105	207897	10.168	ug/l	98
86) p-Isopropyltoluene	13.52	119	186692	10.044	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94305	10.421	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95791	10.630	ug/l	97
89) n-Butylbenzene	13.84	91	176424	9.982	ug/l	97
90) Hexachloroethane	14.11	117	39771	10.415	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	81120	10.462	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5796	10.311	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	46755	9.970	ug/l	97
94) Hexachlorobutadiene	15.27	225	28692	10.155	ug/l	98
95) Naphthalene	15.40	128	76471	9.333	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	40715	9.939	ug/l	98

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

