

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066122.D
 Acq On : 05 Aug 2020 10:35
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM

Quant Time: Aug 05 13:40:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	342412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	504038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	466401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	16998	5.55	ug/l	0.00
Spiked Amount			Recovery	=	11.10%	
35) Dibromofluoromethane	7.91	113	17113	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
50) Toluene-d8	10.34	98	62119	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
62) 4-Bromofluorobenzene	12.64	95	23520	5.50	ug/l	0.00
Spiked Amount			Recovery	=	11.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	14620	4.594	ug/l	94
3) Chloromethane	2.20	50	13215	5.277	ug/l	94
4) Vinyl Chloride	2.34	62	10547	4.921	ug/l	96
5) Bromomethane	2.76	94	8069	5.505	ug/l	96
6) Chloroethane	2.91	64	6976	5.225	ug/l	93
7) Trichlorofluoromethane	3.26	101	29597	5.301	ug/l	97
8) Diethyl Ether	3.70	74	7969	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	16835	5.099	ug/l	97
10) Methyl Iodide	4.29	142	8641	4.262	ug/l	97
11) Tert butyl alcohol	5.18	59	13991m	38.414	ug/l	
12) 1,1-Dichloroethene	4.06	96	15983	5.158	ug/l	85
13) Acrolein	3.91	56	6698	27.071	ug/l	89
14) Allyl chloride	4.70	41	24063	5.174	ug/l	99
15) Acrylonitrile	5.41	53	15172	23.681	ug/l	94
16) Acetone	4.16	43	15585	26.477	ug/l	93
17) Carbon Disulfide	4.40	76	50220	5.091	ug/l	99
18) Methyl Acetate	4.71	43	8695	5.759	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	33714	4.856	ug/l	98
20) Methylene Chloride	4.96	84	27966	6.442	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	18365	5.149	ug/l	97
22) Diisopropyl ether	6.36	45	44760	4.870	ug/l #	97
23) Vinyl Acetate	6.30	43	125953	23.678	ug/l	98
24) 1,1-Dichloroethane	6.26	63	29959	5.225	ug/l	95
25) 2-Butanone	7.21	43	23012	26.425	ug/l	98
26) 2,2-Dichloropropane	7.20	77	28370	5.405	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	18837	5.103	ug/l	95
28) Bromochloromethane	7.54	49	10618	5.298	ug/l #	97
29) Tetrahydrofuran	7.55	42	13326	25.176	ug/l	96
30) Chloroform	7.71	83	31638	5.242	ug/l	96
31) Cyclohexane	7.98	56	31329	5.603	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	28855	5.110	ug/l	97
36) 1,1-Dichloropropene	8.10	75	24581	5.053	ug/l	99
37) Ethyl Acetate	7.30	43	10630	5.631	ug/l #	93
38) Carbon Tetrachloride	8.10	117	27193	5.028	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	28024	4.854	ug/l	95
40) Benzene	8.35	78	68827	5.098	ug/l	96
41) Methacrylonitrile	7.52	41	4575	4.253	ug/l #	82
42) 1,2-Dichloroethane	8.42	62	20620	5.230	ug/l	98
43) Isopropyl Acetate	8.45	43	17800	4.825	ug/l #	60
44) Trichloroethene	9.11	130	20045	4.969	ug/l	100
45) 1,2-Dichloropropane	9.38	63	16434	5.028	ug/l	91
46) Dibromomethane	9.47	93	8480	4.719	ug/l	89
47) Bromodichloromethane	9.66	83	23347	4.913	ug/l #	96
48) Methyl methacrylate	9.46	41	9797	5.042	ug/l	94
49) 1,4-Dioxane	9.46	88	2024	87.822	ug/l #	77
51) 4-Methyl-2-Pentanone	10.23	43	46793	24.339	ug/l	100
52) Toluene	10.40	92	44146	4.996	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	20866	4.687	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	25218	4.845	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	13339	5.094	ug/l	95
56) Ethyl methacrylate	10.66	69	13495	4.492	ug/l	93
57) 1,3-Dichloropropane	10.94	76	21067	4.892	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	31119	22.769	ug/l	97
59) 2-Hexanone	10.98	43	32161	23.922	ug/l	96
60) Dibromochloromethane	11.14	129	18199	5.076	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12144	4.890	ug/l	98
64) Tetrachloroethene	10.87	164	18540	5.072	ug/l #	87
65) Chlorobenzene	11.67	112	49841	5.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	19668	5.168	ug/l	98
67) Ethyl Benzene	11.74	91	83371	5.019	ug/l	98
68) m/p-Xylenes	11.85	106	63218	9.785	ug/l	100
69) o-Xylene	12.18	106	28480	4.899	ug/l	99
70) Styrene	12.20	104	48556	4.742	ug/l	98
71) Bromoform	12.36	173	11252	5.026	ug/l #	97
73) Isopropylbenzene	12.48	105	78297	4.866	ug/l	99
74) N-amyl acetate	12.29	43	15668	4.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	14780	5.297	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	10906m	5.510	ug/l	
77) Bromobenzene	12.77	156	21115	5.054	ug/l	99
78) n-propylbenzene	12.82	91	92541	4.923	ug/l	98
79) 2-Chlorotoluene	12.91	91	54056	5.015	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	65154	4.834	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4694	5.192	ug/l	96
82) 4-Chlorotoluene	13.01	91	57122	5.003	ug/l	99
83) tert-Butylbenzene	13.23	119	56699	4.805	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	67441	4.975	ug/l	100
85) sec-Butylbenzene	13.41	105	76586	4.787	ug/l	96
86) p-Isopropyltoluene	13.52	119	72570	4.823	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	41296	5.195	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	40332	5.107	ug/l	94
89) n-Butylbenzene	13.85	91	65213	4.886	ug/l	99
90) Hexachloroethane	14.12	117	15276	5.081	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	36605	5.221	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2486	5.234	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	24847	4.938	ug/l	99
94) Hexachlorobutadiene	15.27	225	14964	5.009	ug/l	98
95) Naphthalene	15.41	128	37416	4.714	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	22667	5.087	ug/l	98

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

