

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067829.D
 Acq On : 01 Dec 2020 11:28
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 12:23:57 PM

Quant Time: Dec 02 08:05:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	239462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	310289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	50677	19.71	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.42%#
35) Dibromofluoromethane	7.92	113	44913	19.85	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.70%#
50) Toluene-d8	10.34	98	162485	19.95	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	39.90%#
62) 4-Bromofluorobenzene	12.64	95	54959	19.52	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39339	18.877	ug/l	91
3) Chloromethane	2.21	50	23644	19.659	ug/l	97
4) Vinyl Chloride	2.35	62	28377	18.734	ug/l	98
5) Bromomethane	2.76	94	26637	19.699	ug/l	90
6) Chloroethane	2.91	64	19065	19.332	ug/l	96
7) Trichlorofluoromethane	3.27	101	93419	20.155	ug/l	91
8) Diethyl Ether	3.71	74	17633	19.519	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43435	20.551	ug/l	98
10) Methyl Iodide	4.30	142	42180	18.828	ug/l	96
11) Tert butyl alcohol	5.20	59	20238	101.708	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	40926	20.625	ug/l	86
13) Acrolein	3.93	56	8826	98.993	ug/l	96
14) Allyl chloride	4.72	41	35739	19.469	ug/l	97
15) Acrylonitrile	5.42	53	33470	106.849	ug/l	97
16) Acetone	4.16	43	29107	92.622	ug/l	97
17) Carbon Disulfide	4.41	76	109362	19.740	ug/l	97
18) Methyl Acetate	4.72	43	12666	19.601	ug/l #	76
19) Methyl tert-butyl Ether	5.48	73	84586	19.907	ug/l	99
20) Methylene Chloride	4.97	84	47848	19.831	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	45503	20.152	ug/l	92
22) Diisopropyl ether	6.36	45	75866	20.549	ug/l #	93
23) Vinyl Acetate	6.30	43	207455	101.004	ug/l	99
24) 1,1-Dichloroethane	6.27	63	64080	19.800	ug/l	98
25) 2-Butanone	7.21	43	33753	101.021	ug/l	89
26) 2,2-Dichloropropane	7.20	77	75534	19.572	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47907	19.398	ug/l	95
28) Bromochloromethane	7.54	49	20333	19.788	ug/l	94
29) Tetrahydrofuran	7.56	42	18868	107.878	ug/l	95
30) Chloroform	7.71	83	85876	19.855	ug/l	99
31) Cyclohexane	7.98	56	54450	20.104	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	94069	20.604	ug/l	98
36) 1,1-Dichloropropene	8.11	75	58662	20.042	ug/l	98
37) Ethyl Acetate	7.29	43	15492	22.667	ug/l	97
38) Carbon Tetrachloride	8.09	117	89827	20.284	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70010	20.184	ug/l	93
40) Benzene	8.36	78	164388	20.526	ug/l	99
41) Methacrylonitrile	7.54	41	9850m	25.682	ug/l	
42) 1,2-Dichloroethane	8.43	62	57684	20.209	ug/l	98
43) Isopropyl Acetate	8.46	43	30759	19.817	ug/l	98
44) Trichloroethene	9.12	130	56718	20.598	ug/l	92
45) 1,2-Dichloropropane	9.39	63	33393	20.315	ug/l #	89
46) Dibromomethane	9.48	93	23480	20.545	ug/l	95
47) Bromodichloromethane	9.67	83	66416	20.384	ug/l	94
48) Methyl methacrylate	9.46	41	15949	20.236	ug/l	97
49) 1,4-Dioxane	9.47	88	5496	420.855	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	76796	104.539	ug/l	100
52) Toluene	10.41	92	117587	21.000	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	57259	20.361	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	64581	21.112	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	32525	20.795	ug/l	98
56) Ethyl methacrylate	10.67	69	32199	20.234	ug/l	98
57) 1,3-Dichloropropane	10.95	76	52160	21.053	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	66422	91.729	ug/l	98
59) 2-Hexanone	10.98	43	54672	105.572	ug/l	98
60) Dibromochloromethane	11.14	129	48230	20.457	ug/l	98
61) 1,2-Dibromoethane	11.26	107	32106	20.874	ug/l	99
64) Tetrachloroethene	10.88	164	51254	20.251	ug/l	93
65) Chlorobenzene	11.67	112	130790	20.428	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	53160	20.357	ug/l	98
67) Ethyl Benzene	11.75	91	221379	20.298	ug/l	96
68) m/p-Xylenes	11.86	106	179909	41.834	ug/l	98
69) o-Xylene	12.18	106	78572	20.580	ug/l	100
70) Styrene	12.20	104	138640	20.883	ug/l	98
71) Bromoform	12.37	173	28506	20.622	ug/l #	98
73) Isopropylbenzene	12.48	105	223427	20.195	ug/l	99
74) N-amyl acetate	12.29	43	27782	20.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	29156	19.961	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	27509m	22.993	ug/l	
77) Bromobenzene	12.77	156	56910	20.691	ug/l	99
78) n-propylbenzene	12.83	91	252425	20.586	ug/l	98
79) 2-Chlorotoluene	12.91	91	149975	20.790	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	199940	20.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10147	20.718	ug/l	98
82) 4-Chlorotoluene	13.01	91	162238	21.083	ug/l	100
83) tert-Butylbenzene	13.23	119	162898	19.985	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	197748	20.761	ug/l	100
85) sec-Butylbenzene	13.40	105	223211	20.517	ug/l	100
86) p-Isopropyltoluene	13.52	119	221992	20.820	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	109569	20.651	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	107878	20.324	ug/l	99
89) n-Butylbenzene	13.84	91	180573	20.385	ug/l	99
90) Hexachloroethane	14.11	117	39833	20.235	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	92782	20.163	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6064	19.893	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	64255	19.963	ug/l	99
94) Hexachlorobutadiene	15.27	225	41642	19.826	ug/l	98
95) Naphthalene	15.40	128	102377	19.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	57581	20.715	ug/l	100

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

