

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066354.D
 Acq On : 21 Aug 2020 11:52
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:36:34 PM

Quant Time: Aug 21 12:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	341535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	311554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164641	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	46177	21.22	ug/l	0.00
Spiked Amount						
			Recovery	=	42.44%	
35) Dibromofluoromethane	7.91	113	42085	19.53	ug/l	0.00
Spiked Amount						
			Recovery	=	39.06%	
50) Toluene-d8	10.34	98	152409	19.22	ug/l	0.00
Spiked Amount						
			Recovery	=	38.44%	
62) 4-Bromofluorobenzene	12.63	95	55049	19.24	ug/l	0.00
Spiked Amount						
			Recovery	=	38.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	44534	20.980	ug/l	96
3) Chloromethane	2.21	50	30072	18.443	ug/l	100
4) Vinyl Chloride	2.35	62	31450	21.212	ug/l	95
5) Bromomethane	2.75	94	23031	23.122	ug/l	96
6) Chloroethane	2.91	64	19487	21.238	ug/l	96
7) Trichlorofluoromethane	3.27	101	86184	22.146	ug/l	95
8) Diethyl Ether	3.70	74	18136	17.220	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42005	18.838	ug/l	98
10) Methyl Iodide	4.30	142	44757	24.586	ug/l	99
11) Tert butyl alcohol	5.20	59	21334m	98.814	ug/l	
12) 1,1-Dichloroethene	4.06	96	39385	18.665	ug/l	93
13) Acrolein	3.91	56	10486	64.744	ug/l	97
14) Allyl chloride	4.71	41	51707	16.500	ug/l	99
15) Acrylonitrile	5.42	53	38539	87.365	ug/l	97
16) Acetone	4.16	43	38489	94.418	ug/l	100
17) Carbon Disulfide	4.41	76	119209	17.875	ug/l	99
18) Methyl Acetate	4.71	43	16622	16.521	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	95893	19.642	ug/l	99
20) Methylene Chloride	4.96	84	53990	19.588	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	46684	19.287	ug/l	94
22) Diisopropyl ether	6.36	45	103907	16.770	ug/l	97
23) Vinyl Acetate	6.30	43	318923	87.242	ug/l	98
24) 1,1-Dichloroethane	6.26	63	73565	18.896	ug/l	98
25) 2-Butanone	7.21	43	48048	82.487	ug/l	98
26) 2,2-Dichloropropane	7.21	77	76154	21.068	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	48461	19.019	ug/l	97
28) Bromochloromethane	7.54	49	23863	17.502	ug/l	95
29) Tetrahydrofuran	7.56	42	28238	79.437	ug/l	98
30) Chloroform	7.71	83	82387	19.762	ug/l	94
31) Cyclohexane	7.98	56	64185	17.399	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	83062	20.987	ug/l	98
36) 1,1-Dichloropropene	8.11	75	63044	19.704	ug/l	98
37) Ethyl Acetate	7.29	43	23880	19.101	ug/l #	96
38) Carbon Tetrachloride	8.10	117	81178	22.026	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72808	18.745	ug/l	97
40) Benzene	8.34	78	164065	18.522	ug/l	97
41) Methacrylonitrile	7.53	41	13373m	17.873	ug/l	
42) 1,2-Dichloroethane	8.42	62	56406	21.029	ug/l	97
43) Isopropyl Acetate	8.45	43	43351	17.578	ug/l	97
44) Trichloroethene	9.11	130	53486	19.871	ug/l	95
45) 1,2-Dichloropropane	9.38	63	37732	17.605	ug/l	96
46) Dibromomethane	9.47	93	23582	19.704	ug/l	97
47) Bromodichloromethane	9.66	83	65232	20.427	ug/l	99
48) Methyl methacrylate	9.46	41	22111	17.816	ug/l	95
49) 1,4-Dioxane	9.46	88	5079	331.676	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	108075	86.112	ug/l	98
52) Toluene	10.40	92	113134	19.343	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59945	19.787	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	67303	19.090	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	31490	18.397	ug/l	95
56) Ethyl methacrylate	10.66	69	36776	17.986	ug/l	98
57) 1,3-Dichloropropane	10.94	76	52698	18.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	78528	86.558	ug/l	98
59) 2-Hexanone	10.98	43	73755	83.351	ug/l	97
60) Dibromochloromethane	11.14	129	47534	19.928	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31591	19.236	ug/l	99
64) Tetrachloroethene	10.87	164	47866	19.878	ug/l	98
65) Chlorobenzene	11.67	112	125388	19.703	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	51658	20.681	ug/l	97
67) Ethyl Benzene	11.74	91	221145	19.976	ug/l	97
68) m/p-Xylenes	11.85	106	170458	39.935	ug/l	94
69) o-Xylene	12.18	106	79928	20.617	ug/l	97
70) Styrene	12.19	104	139632	20.573	ug/l	99
71) Bromoform	12.36	173	29984	20.364	ug/l #	97
73) Isopropylbenzene	12.48	105	222583	20.153	ug/l	100
74) N-amyl acetate	12.28	43	41111	17.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	32898	17.862	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	21086m	15.526	ug/l	
77) Bromobenzene	12.76	156	56395	19.826	ug/l	99
78) n-propylbenzene	12.82	91	255007	19.912	ug/l	100
79) 2-Chlorotoluene	12.91	91	146385	20.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	192385	20.698	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10936	17.833	ug/l	93
82) 4-Chlorotoluene	13.00	91	154568	19.976	ug/l	98
83) tert-Butylbenzene	13.23	119	164022	20.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	193806	20.963	ug/l	100
85) sec-Butylbenzene	13.40	105	222807	20.347	ug/l	99
86) p-Isopropyltoluene	13.52	119	212821	20.614	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	105605	19.782	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	105566	19.882	ug/l	98
89) n-Butylbenzene	13.84	91	183761	19.929	ug/l	99
90) Hexachloroethane	14.11	117	41058	19.982	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	92348	19.667	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6131	18.862	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70308	20.132	ug/l	99
94) Hexachlorobutadiene	15.27	225	43308	20.796	ug/l	95
95) Naphthalene	15.41	128	107550	19.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	59932	19.502	ug/l	97

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

