

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074451.D
 Acq On : 05 Oct 2022 13:50
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/07/2022

Quant Time: Oct 06 01:23:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:15:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	105666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	159338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	76044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8475	9.102	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.200%#		
35) Dibromofluoromethane	7.805	113	14362	10.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.320%#		
50) Toluene-d8	10.269	98	32613	7.637	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	15.280%#		
62) 4-Bromofluorobenzene	12.569	95	20436	12.170	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	24.340%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	8409	9.231	ug/l	97
3) Chloromethane	2.146	50	13628	14.303	ug/l	93
4) Vinyl Chloride	2.281	62	10196	12.252	ug/l	98
5) Bromomethane	2.687	94	6484	10.730	ug/l	89
6) Chloroethane	2.828	64	6831	12.279	ug/l	92
7) Trichlorofluoromethane	3.170	101	17164	9.679	ug/l	94
8) Diethyl Ether	3.593	74	5359	10.195	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.964	101	11354	9.586	ug/l	99
10) Methyl Iodide	4.158	142	8454	7.768	ug/l	99
11) Tert butyl alcohol	5.022	59	10141	59.547	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	12078	10.591	ug/l	99
13) Acrolein	3.805	56	3272	50.324	ug/l	99
14) Allyl chloride	4.564	41	14173	11.823	ug/l	98
15) Acrylonitrile	5.252	53	11368	51.890	ug/l	98
16) Acetone	4.022	43	9805	50.839	ug/l #	84
17) Carbon Disulfide	4.264	76	37668	13.391	ug/l #	92
18) Methyl Acetate	4.558	43	5567	9.501	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	24313	10.156	ug/l	98
20) Methylene Chloride	4.799	84	21546	12.277	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	13347	10.997	ug/l	89
22) Diisopropyl ether	6.211	45	29259	10.978	ug/l	92
23) Vinyl Acetate	6.152	43	59133m	51.096	ug/l	
24) 1,1-Dichloroethane	6.116	63	21057	10.558	ug/l	96
25) 2-Butanone	7.081	43	13911	54.940	ug/l	96
26) 2,2-Dichloropropane	7.069	77	19398	10.569	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	14616	10.438	ug/l	95
28) Bromochloromethane	7.428	49	6459	10.328	ug/l #	91
29) Tetrahydrofuran	7.452	42	7695	54.823	ug/l	90
30) Chloroform	7.593	83	23320	10.625	ug/l	88
31) Cyclohexane	7.875	56	19445	11.966	ug/l #	94
32) 1,1,1-Trichloroethane	7.793	97	19402	10.268	ug/l	97
36) 1,1-Dichloropropene	8.005	75	17218	10.272	ug/l	97
37) Ethyl Acetate	7.169	43	5568	10.090	ug/l #	91
38) Carbon Tetrachloride	7.987	117	14752	9.315	ug/l	94
39) Methylcyclohexane	9.275	83	19982	9.864	ug/l	97
40) Benzene	8.252	78	49784	10.088	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3056	9.486	ug/l	91
42) 1,2-Dichloroethane	8.322	62	12195	9.913	ug/l	100
43) Isopropyl Acetate	8.357	43	10889	10.152	ug/l	94
44) Trichloroethene	9.028	130	13563	9.112	ug/l	88
45) 1,2-Dichloropropane	9.304	63	11688	10.036	ug/l	99
46) Dibromomethane	9.393	93	6318	9.222	ug/l	93
47) Bromodichloromethane	9.587	83	16066	9.167	ug/l	99
48) Methyl methacrylate	9.375	41	5030	10.515	ug/l	91
49) 1,4-Dioxane	9.387	88	1221	184.510	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	25360	45.873	ug/l	97
52) Toluene	10.328	92	29675	9.265	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	13489	9.026	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	17259	9.157	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	9212	9.707	ug/l	94
56) Ethyl methacrylate	10.599	69	9289	8.626	ug/l	89
57) 1,3-Dichloropropane	10.881	76	14011	8.946	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	6624	36.777	ug/l	100
59) 2-Hexanone	10.922	43	16763	44.311	ug/l	96
60) Dibromochloromethane	11.069	129	10271	8.703	ug/l	97
61) 1,2-Dibromoethane	11.175	107	7939	8.585	ug/l	99
64) Tetrachloroethene	10.804	164	11702	9.535	ug/l	90
65) Chlorobenzene	11.604	112	32357	9.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	10544	8.673	ug/l	96
67) Ethyl Benzene	11.681	91	56805	9.428	ug/l	96
68) m/p-Xylenes	11.793	106	45029	19.043	ug/l	97
69) o-Xylene	12.116	106	20347	9.323	ug/l	99
70) Styrene	12.134	104	35374	9.316	ug/l	97
71) Bromoform	12.293	173	6075	9.143	ug/l #	99
73) Isopropylbenzene	12.416	105	53650	9.468	ug/l	100
74) N-amyl acetate	12.228	43	9139	10.046	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	9450	9.599	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	5492m	9.252	ug/l	
77) Bromobenzene	12.698	156	12727	9.573	ug/l	95
78) n-propylbenzene	12.757	91	67195	9.813	ug/l	99
79) 2-Chlorotoluene	12.845	91	35906	9.755	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	45029	9.583	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.463	75	2430	9.638	ug/l	91
82) 4-Chlorotoluene	12.940	91	37705	9.984	ug/l	99
83) tert-Butylbenzene	13.163	119	38490	9.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	45649	9.789	ug/l	100
85) sec-Butylbenzene	13.340	105	59286	9.346	ug/l	99
86) p-Isopropyltoluene	13.457	119	48745	9.231	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	25894	9.465	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	25739	9.440	ug/l	96
89) n-Butylbenzene	13.781	91	45835	9.312	ug/l	100
90) Hexachloroethane	14.045	117	9064	9.673	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	21845	9.206	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1347	10.882	ug/l	87
93) 1,2,4-Trichlorobenzene	15.092	180	14090	8.800	ug/l	96
94) Hexachlorobutadiene	15.198	225	7080	8.116	ug/l	98
95) Naphthalene	15.328	128	25439	8.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.510	180	11835	8.638	ug/l	99

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

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