

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074654.D
 Acq On : 27 Oct 2022 13:27
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 23:52:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 23:51:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	84899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	154264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	67553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8939	13.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	26.960%#		
35) Dibromofluoromethane	7.804	113	10326	10.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.340%#		
50) Toluene-d8	10.269	98	37669	11.707	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	23.420%#		
62) 4-Bromofluorobenzene	12.569	95	10436	9.922	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	7482	11.224	ug/l	86
3) Chloromethane	2.146	50	13814	15.003	ug/l	93
4) Vinyl Chloride	2.281	62	12556	12.313	ug/l	98
5) Bromomethane	2.681	94	11304	14.538	ug/l	93
6) Chloroethane	2.828	64	8812	12.635	ug/l	91
7) Trichlorofluoromethane	3.169	101	13305	9.476	ug/l	95
8) Diethyl Ether	3.593	74	5561	13.833	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	8032	8.961	ug/l	98
10) Methyl Iodide	4.152	142	7590	7.513	ug/l	98
11) Tert butyl alcohol	5.028	59	7713	71.402	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	9066	10.059	ug/l #	77
13) Acrolein	3.799	56	4460	65.659	ug/l	99
14) Allyl chloride	4.558	41	10084	10.463	ug/l	96
15) Acrylonitrile	5.246	53	11668	71.927	ug/l	91
16) Acetone	4.028	43	8405	59.688	ug/l	95
17) Carbon Disulfide	4.269	76	28379	11.205	ug/l	98
18) Methyl Acetate	4.569	43	5927	14.118	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	21642	12.395	ug/l	96
20) Methylene Chloride	4.805	84	24311	16.326	ug/l #	86
21) trans-1,2-Dichloroethene	5.316	96	10838	10.723	ug/l	86
22) Diisopropyl ether	6.216	45	22250	11.297	ug/l #	95
23) Vinyl Acetate	6.163	43	39475m	46.550	ug/l	
24) 1,1-Dichloroethane	6.116	63	16572	10.933	ug/l	98
25) 2-Butanone	7.087	43	12146	64.625	ug/l	99
26) 2,2-Dichloropropane	7.081	77	13255	9.167	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	12217	10.997	ug/l	98
28) Bromochloromethane	7.434	49	6555	17.112	ug/l #	100
29) Tetrahydrofuran	7.451	42	7523	73.107	ug/l	96
30) Chloroform	7.599	83	18498	11.316	ug/l	99
31) Cyclohexane	7.875	56	11666	8.851	ug/l #	85
32) 1,1,1-Trichloroethane	7.793	97	14364	9.588	ug/l	97
36) 1,1-Dichloropropene	8.004	75	11829	8.466	ug/l	99
37) Ethyl Acetate	7.169	43	5404	12.479	ug/l	96
38) Carbon Tetrachloride	7.987	117	10088	7.430	ug/l	97
39) Methylcyclohexane	9.275	83	12835	7.669	ug/l	94
40) Benzene	8.251	78	40486	9.829	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1935	8.028	ug/l #	50
42) 1,2-Dichloroethane	8.328	62	11170	11.754	ug/l	96
43) Isopropyl Acetate	8.357	43	10046	12.446	ug/l	99
44) Trichloroethene	9.022	130	11660	9.649	ug/l	84
45) 1,2-Dichloropropane	9.304	63	9931	10.965	ug/l	98
46) Dibromomethane	9.387	93	6312	12.107	ug/l	93
47) Bromodichloromethane	9.587	83	14323	11.156	ug/l	89
48) Methyl methacrylate	9.381	41	4464	12.043	ug/l	96
49) 1,4-Dioxane	9.381	88	1431	278.694	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	24533	60.975	ug/l	96
52) Toluene	10.334	92	25680	10.065	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	11765	10.398	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	14662	10.235	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	8933	12.483	ug/l #	91
56) Ethyl methacrylate	10.592	69	9473	12.135	ug/l	100
57) 1,3-Dichloropropane	10.875	76	13897	11.996	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	6548	37.637	ug/l	96
59) 2-Hexanone	10.922	43	16328	59.122	ug/l	100
60) Dibromochloromethane	11.075	129	9944	11.514	ug/l	97
61) 1,2-Dibromoethane	11.175	107	8205	12.497	ug/l	94
64) Tetrachloroethene	10.804	164	9641	8.928	ug/l	85
65) Chlorobenzene	11.604	112	28024	9.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	9208	8.781	ug/l	93
67) Ethyl Benzene	11.687	91	42871	8.001	ug/l	97
68) m/p-Xylenes	11.792	106	34060	15.880	ug/l	98
69) o-Xylene	12.122	106	16558	8.399	ug/l	93
70) Styrene	12.134	104	28841	8.698	ug/l	98
71) Bromoform	12.298	173	5311	9.682	ug/l #	97
73) Isopropylbenzene	12.422	105	39749	7.604	ug/l	99
74) N-amyl acetate	12.234	43	8142	10.500	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	9041	10.921	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	5705m	9.883	ug/l	
77) Bromobenzene	12.698	156	11002	9.321	ug/l	95
78) n-propylbenzene	12.763	91	48522	7.811	ug/l	100
79) 2-Chlorotoluene	12.851	91	28796	8.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	34052	7.974	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	2047	8.954	ug/l	95
82) 4-Chlorotoluene	12.945	91	29865	8.632	ug/l	99
83) tert-Butylbenzene	13.169	119	28755	7.554	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	33656	8.029	ug/l	94
85) sec-Butylbenzene	13.345	105	41960	7.380	ug/l	97
86) p-Isopropyltoluene	13.457	119	36573	7.669	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	22858	9.269	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	23274	9.652	ug/l	98
89) n-Butylbenzene	13.786	91	32460	7.478	ug/l	98
90) Hexachloroethane	14.051	117	6306	7.592	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	20113	9.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1202	10.497	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	12405	9.138	ug/l	98
94) Hexachlorobutadiene	15.198	225	5555	7.507	ug/l	95
95) Naphthalene	15.333	128	24721	9.727	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	10868	9.393	ug/l	97

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

