

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102722\
 Data File : VD074656.D
 Acq On : 27 Oct 2022 17:22
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 23:52:39 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	104910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	148972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	111703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	48533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1219	1.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	2.980%#		
35) Dibromofluoromethane	7.799	113	1631	1.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	3.500%#		
50) Toluene-d8	10.269	98	5730	1.844	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	3.680%#		
62) 4-Bromofluorobenzene	12.569	95	2209	2.175	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	4.340%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	16776	20.366	ug/l	95
3) Chloromethane	2.140	50	15946	14.015	ug/l	98
4) Vinyl Chloride	2.281	62	22353	17.739	ug/l #	87
5) Bromomethane	2.693	94	16141	16.800	ug/l	91
6) Chloroethane	2.834	64	12320	14.295	ug/l	99
7) Trichlorofluoromethane	3.169	101	27945	16.106	ug/l	91
8) Diethyl Ether	3.593	74	2991	6.021	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	17884	16.147	ug/l	98
10) Methyl Iodide	4.158	142	8342	6.682	ug/l	98
11) Tert butyl alcohol	5.046	59	571	4.278	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	15239	13.684	ug/l	83
13) Acrolein	3.799	56	1719	20.480	ug/l	97
14) Allyl chloride	4.558	41	11702	9.826	ug/l	93
15) Acrylonitrile	5.252	53	4009	20.000	ug/l #	59
16) Acetone	4.016	43	3857	22.166	ug/l	90
17) Carbon Disulfide	4.269	76	44151	14.107	ug/l	99
18) Methyl Acetate	4.558	43	2324	4.480	ug/l	95
19) Methyl tert-butyl Ether	5.311	73	11250	5.214	ug/l	93
20) Methylene Chloride	4.799	84	16830	9.146	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	14200	11.370	ug/l	84
22) Diisopropyl ether	6.216	45	15962	6.558	ug/l #	87
23) Vinyl Acetate	6.158	43	28941m	27.619	ug/l	
24) 1,1-Dichloroethane	6.105	63	19203	10.252	ug/l	98
25) 2-Butanone	7.081	43	4739	20.405	ug/l	96
26) 2,2-Dichloropropane	7.069	77	19348	10.828	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	12310	8.968	ug/l	98
28) Bromochloromethane	7.428	49	8851	18.699	ug/l #	97
29) Tetrahydrofuran	7.452	42	2307	18.143	ug/l	92
30) Chloroform	7.593	83	18866	9.339	ug/l	94
31) Cyclohexane	7.881	56	24205	14.861	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	22379	12.088	ug/l	98
36) 1,1-Dichloropropene	8.004	75	19507	14.456	ug/l	99
37) Ethyl Acetate	7.169	43	2142	5.122	ug/l #	66
38) Carbon Tetrachloride	7.987	117	19178	14.627	ug/l	96
39) Methylcyclohexane	9.275	83	28959	17.918	ug/l	93
40) Benzene	8.252	78	46052	11.577	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	1047	4.498	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	7652	8.338	ug/l	99
43) Isopropyl Acetate	8.363	43	3879	4.977	ug/l #	80
44) Trichloroethene	9.022	130	15415	13.209	ug/l	92
45) 1,2-Dichloropropane	9.310	63	9482	10.841	ug/l	94
46) Dibromomethane	9.399	93	3756	7.460	ug/l	100
47) Bromodichloromethane	9.587	83	11162	9.003	ug/l	97
48) Methyl methacrylate	9.375	41	1948	5.442	ug/l	92
49) 1,4-Dioxane	9.375	88	424	85.509	ug/l #	47
51) 4-Methyl-2-Pentanone	10.157	43	8886	22.870	ug/l	95
52) Toluene	10.334	92	27769	11.271	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	8044	7.362	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	11614	8.396	ug/l	95
55) 1,1,2-Trichloroethane	10.728	97	5338	7.724	ug/l #	92
56) Ethyl methacrylate	10.598	69	4138	5.489	ug/l	95
57) 1,3-Dichloropropane	10.875	76	8503	7.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	5780	34.403	ug/l	96
59) 2-Hexanone	10.922	43	5738	21.515	ug/l	96
60) Dibromochloromethane	11.069	129	6678	8.007	ug/l	97
61) 1,2-Dibromoethane	11.181	107	4815	7.594	ug/l	100
64) Tetrachloroethene	10.810	164	15006	18.161	ug/l	92
65) Chlorobenzene	11.610	112	27880	11.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	8909	11.103	ug/l	99
67) Ethyl Benzene	11.681	91	53389	13.021	ug/l	98
68) m/p-Xylenes	11.793	106	42188	25.706	ug/l	96
69) o-Xylene	12.122	106	18175	12.049	ug/l	93
70) Styrene	12.134	104	27568	10.865	ug/l	99
71) Bromoform	12.298	173	3459	8.241	ug/l #	93
73) Isopropylbenzene	12.422	105	54776	14.586	ug/l	99
74) N-amyl acetate	12.234	43	3684	6.613	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	4358	7.327	ug/l	92
76) 1,2,3-Trichloropropane	12.728	75	2395m	5.775	ug/l	
77) Bromobenzene	12.698	156	9084	10.712	ug/l	97
78) n-propylbenzene	12.763	91	64867	14.534	ug/l	99
79) 2-Chlorotoluene	12.851	91	32243	13.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	40748	13.282	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	926	5.638	ug/l	96
82) 4-Chlorotoluene	12.945	91	32342	13.012	ug/l	99
83) tert-Butylbenzene	13.163	119	39459	14.429	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	37208	12.355	ug/l	98
85) sec-Butylbenzene	13.345	105	63715	15.599	ug/l	99
86) p-Isopropyltoluene	13.457	119	48258	14.085	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	21215	11.974	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	21266	12.275	ug/l	98
89) n-Butylbenzene	13.787	91	45328	14.534	ug/l	97
90) Hexachloroethane	14.051	117	8832	14.801	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	16464	11.126	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	625	7.597	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	9461	9.701	ug/l	95
94) Hexachlorobutadiene	15.204	225	8243	15.505	ug/l	95
95) Naphthalene	15.328	128	12700	6.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	7493	9.014	ug/l	99

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

