

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074324.D
 Acq On : 16 Sep 2022 11:37
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:37:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 02:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	104364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	176117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	158223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	75328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	5407	5.319	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.640%#		
35) Dibromofluoromethane	7.810	113	5577	4.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.620%#		
50) Toluene-d8	10.269	98	20711	5.175	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.340%#		
62) 4-Bromofluorobenzene	12.569	95	6755	4.346	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4686	4.874	ug/l	95
3) Chloromethane	2.140	50	3896	4.261	ug/l	98
4) Vinyl Chloride	2.281	62	3670	4.090	ug/l	97
5) Bromomethane	2.687	94	3014	5.433	ug/l	84
6) Chloroethane	2.822	64	2101	3.985	ug/l	98
7) Trichlorofluoromethane	3.169	101	7868	4.500	ug/l	91
8) Diethyl Ether	3.587	74	2578	4.625	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	5296	4.817	ug/l #	88
10) Methyl Iodide	4.158	142	4865	3.582	ug/l #	97
11) Tert butyl alcohol	5.058	59	2064	30.045	ug/l #	74
12) 1,1-Dichloroethene	3.934	96	5231	4.674	ug/l	86
13) Acrolein	3.787	56	1657	22.366	ug/l	91
14) Allyl chloride	4.558	41	7225	4.461	ug/l	94
15) Acrylonitrile	5.258	53	5668	23.071	ug/l	92
16) Acetone	4.028	43	5987	26.142	ug/l #	73
17) Carbon Disulfide	4.264	76	13723	3.766	ug/l	99
18) Methyl Acetate	4.569	43	4654	6.841	ug/l	94
19) Methyl tert-butyl Ether	5.322	73	11208	4.677	ug/l	96
20) Methylene Chloride	4.793	84	17051	8.762	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	5450	4.398	ug/l	94
22) Diisopropyl ether	6.210	45	15587	4.569	ug/l #	93
23) Vinyl Acetate	6.158	43	29100m	18.651	ug/l	
24) 1,1-Dichloroethane	6.105	63	9975	4.543	ug/l	96
25) 2-Butanone	7.081	43	9391	27.531	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	9631	5.313	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	6394	4.657	ug/l	93
28) Bromochloromethane	7.428	49	3724	4.392	ug/l #	92
29) Tetrahydrofuran	7.446	42	4650	23.787	ug/l	97
30) Chloroform	7.593	83	10377	4.806	ug/l	83
31) Cyclohexane	7.875	56	10526	4.937	ug/l #	80
32) 1,1,1-Trichloroethane	7.799	97	9142	4.800	ug/l	97
36) 1,1-Dichloropropene	8.004	75	8091	4.570	ug/l	98
37) Ethyl Acetate	7.169	43	3327	4.690	ug/l #	69
38) Carbon Tetrachloride	7.993	117	6906	4.401	ug/l	91
39) Methylcyclohexane	9.275	83	8821	4.119	ug/l	95
40) Benzene	8.252	78	22766	4.586	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	1771	4.706	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	6367	5.022	ug/l	92
43) Isopropyl Acetate	8.357	43	6096	4.658	ug/l #	88
44) Trichloroethene	9.028	130	5935	4.547	ug/l	96
45) 1,2-Dichloropropane	9.299	63	5904	4.729	ug/l	96
46) Dibromomethane	9.387	93	2960	4.609	ug/l	97
47) Bromodichloromethane	9.587	83	7512	4.749	ug/l #	82
48) Methyl methacrylate	9.381	41	2845	4.492	ug/l	95
49) 1,4-Dioxane	9.381	88	613	87.218	ug/l #	68
51) 4-Methyl-2-Pentanone	10.157	43	17216	25.039	ug/l	99
52) Toluene	10.328	92	13697	4.479	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	5945	4.212	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	8074	4.422	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	3958	4.679	ug/l	86
56) Ethyl methacrylate	10.593	69	5068	4.573	ug/l	100
57) 1,3-Dichloropropane	10.875	76	7291	4.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	6592	23.393	ug/l	97
59) 2-Hexanone	10.922	43	11904	24.752	ug/l	98
60) Dibromochloromethane	11.075	129	4886	4.823	ug/l	100
61) 1,2-Dibromoethane	11.175	107	3855	4.745	ug/l	96
64) Tetrachloroethene	10.804	164	5161	4.812	ug/l	94
65) Chlorobenzene	11.604	112	15961	4.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	5500	4.914	ug/l	94
67) Ethyl Benzene	11.681	91	26871	4.493	ug/l	99
68) m/p-Xylenes	11.787	106	20748	9.058	ug/l	99
69) o-Xylene	12.116	106	8941	4.271	ug/l	84
70) Styrene	12.128	104	16154	4.531	ug/l	99
71) Bromoform	12.293	173	3084	5.134	ug/l #	100
73) Isopropylbenzene	12.416	105	25604	4.419	ug/l	95
74) N-amyl acetate	12.228	43	5818	4.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.663	83	4838	4.806	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	3913m	5.603	ug/l	
77) Bromobenzene	12.692	156	6034	4.766	ug/l	94
78) n-propylbenzene	12.757	91	31901	4.439	ug/l	100
79) 2-Chlorotoluene	12.845	91	17050	4.499	ug/l	96
80) 1,3,5-Trimethylbenzene	12.898	105	21184	4.472	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	1403	5.045	ug/l #	100
82) 4-Chlorotoluene	12.940	91	17886	4.551	ug/l	95
83) tert-Butylbenzene	13.157	119	19102	4.547	ug/l	96
84) 1,2,4-Trimethylbenzene	13.204	105	20793	4.461	ug/l	98
85) sec-Butylbenzene	13.339	105	26643	4.274	ug/l	93
86) p-Isopropyltoluene	13.451	119	22797	4.376	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	12094	4.647	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	12784	5.026	ug/l	94
89) n-Butylbenzene	13.781	91	22836	4.475	ug/l	99
90) Hexachloroethane	14.051	117	4671	4.750	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	10944	4.988	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.439	75	796	5.320	ug/l	82
93) 1,2,4-Trichlorobenzene	15.092	180	7141	4.824	ug/l	99
94) Hexachlorobutadiene	15.192	225	4085	4.858	ug/l	92
95) Naphthalene	15.322	128	13005	4.740	ug/l	97
96) 1,2,3-Trichlorobenzene	15.510	180	6297	4.950	ug/l	97

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

