

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100522\
 Data File : VD074453.D
 Acq On : 05 Oct 2022 14:46
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 01:24:21 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	104357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	181376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	166684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	79658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50080	54.461	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.920%			
35) Dibromofluoromethane	7.804	113	55939	42.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.120%			
50) Toluene-d8	10.269	98	230374	54.655	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.320%			
62) 4-Bromofluorobenzene	12.569	95	66649	40.211	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	51348	57.073	ug/l	96
3) Chloromethane	2.140	50	63025	66.977	ug/l	99
4) Vinyl Chloride	2.281	62	59855	72.828	ug/l	95
5) Bromomethane	2.681	94	31530	52.832	ug/l	95
6) Chloroethane	2.828	64	38374	69.843	ug/l	98
7) Trichlorofluoromethane	3.169	101	96448	55.068	ug/l	91
8) Diethyl Ether	3.593	74	30566	58.877	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.963	101	61382	52.472	ug/l	98
10) Methyl Iodide	4.158	142	74785	69.580	ug/l	97
11) Tert butyl alcohol	5.052	59	22779	135.434	ug/l #	95
12) 1,1-Dichloroethene	3.934	96	64929	57.647	ug/l	93
13) Acrolein	3.799	56	16763	261.052	ug/l	98
14) Allyl chloride	4.552	41	75396	63.682	ug/l	98
15) Acrylonitrile	5.252	53	60627	280.207	ug/l	99
16) Acetone	4.022	43	65092	341.739	ug/l	95
17) Carbon Disulfide	4.269	76	205592	74.007	ug/l	100
18) Methyl Acetate	4.558	43	28946	50.019	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	129633	54.828	ug/l	99
20) Methylene Chloride	4.799	84	71223	41.092	ug/l	89
21) trans-1,2-Dichloroethene	5.310	96	70164	58.534	ug/l	94
22) Diisopropyl ether	6.216	45	152394	57.898	ug/l	94
23) Vinyl Acetate	6.157	43	378773	331.400	ug/l	98
24) 1,1-Dichloroethane	6.105	63	108496	55.084	ug/l	96
25) 2-Butanone	7.081	43	77245	308.898	ug/l	99
26) 2,2-Dichloropropane	7.075	77	93252	51.447	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	72454	52.393	ug/l	96
28) Bromochloromethane	7.428	49	32648	52.861	ug/l	88
29) Tetrahydrofuran	7.446	42	39854	287.500	ug/l	95
30) Chloroform	7.593	83	106857	49.296	ug/l	97
31) Cyclohexane	7.875	56	92614	57.708	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	94965	50.887	ug/l	96
36) 1,1-Dichloropropene	8.004	75	84122	50.841	ug/l	100
37) Ethyl Acetate	7.169	43	29760	54.633	ug/l	98
38) Carbon Tetrachloride	7.987	117	76914	49.202	ug/l	97
39) Methylcyclohexane	9.269	83	109060	54.541	ug/l	97
40) Benzene	8.252	78	248103	50.930	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	13467	42.349	ug/l #	87
42) 1,2-Dichloroethane	8.328	62	58905	48.511	ug/l	99
43) Isopropyl Acetate	8.363	43	55153	52.095	ug/l	96
44) Trichloroethene	9.028	130	68250	46.450	ug/l	95
45) 1,2-Dichloropropane	9.304	63	57191	49.752	ug/l	92
46) Dibromomethane	9.399	93	33210	49.111	ug/l	93
47) Bromodichloromethane	9.587	83	79530	45.971	ug/l	96
48) Methyl methacrylate	9.381	41	25610	54.235	ug/l	96
49) 1,4-Dioxane	9.387	88	7326	1121.544	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	142921	261.906	ug/l	99
52) Toluene	10.334	92	162531	51.409	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	75560	51.222	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	91837	49.363	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	44714	47.732	ug/l	96
56) Ethyl methacrylate	10.593	69	54693	51.455	ug/l	93
57) 1,3-Dichloropropane	10.875	76	74620	48.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	54883	308.698	ug/l	96
59) 2-Hexanone	10.916	43	105389	282.226	ug/l	99
60) Dibromochloromethane	11.069	129	52513	45.078	ug/l	99
61) 1,2-Dibromoethane	11.175	107	42781	46.866	ug/l	99
64) Tetrachloroethene	10.804	164	56780	44.226	ug/l	94
65) Chlorobenzene	11.604	112	167316	46.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	56632	44.532	ug/l	96
67) Ethyl Benzene	11.681	91	309517	49.109	ug/l	98
68) m/p-Xylenes	11.793	106	247987	100.254	ug/l	99
69) o-Xylene	12.116	106	110799	48.532	ug/l	96
70) Styrene	12.134	104	197285	49.668	ug/l	99
71) Bromoform	12.292	173	30707	44.176	ug/l #	97
73) Isopropylbenzene	12.416	105	299360	50.431	ug/l	100
74) N-amyl acetate	12.228	43	52703	55.304	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	49838	48.328	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	28090m	45.177	ug/l	
77) Bromobenzene	12.698	156	65623	47.121	ug/l	93
78) n-propylbenzene	12.757	91	367925	51.293	ug/l	99
79) 2-Chlorotoluene	12.845	91	194657	50.487	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	249744	50.739	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	15066	57.042	ug/l	93
82) 4-Chlorotoluene	12.940	91	199929	50.539	ug/l	98
83) tert-Butylbenzene	13.163	119	215791	48.816	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	246844	50.534	ug/l	99
85) sec-Butylbenzene	13.339	105	331410	49.871	ug/l	100
86) p-Isopropyltoluene	13.457	119	272938	49.343	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	137856	48.104	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	135197	47.334	ug/l	99
89) n-Butylbenzene	13.781	91	258478	50.132	ug/l	99
90) Hexachloroethane	14.045	117	47797	48.694	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	117742	47.366	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	6833	52.696	ug/l	95
93) 1,2,4-Trichlorobenzene	15.092	180	74139	44.202	ug/l	98
94) Hexachlorobutadiene	15.198	225	38188	41.788	ug/l	97
95) Naphthalene	15.328	128	146282	47.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	63977	44.576	ug/l	99

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

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