

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100722\
 Data File : VD074495.D
 Acq On : 07 Oct 2022 17:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 02:25:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	153883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	141773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	66235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39350	49.526	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.804	113	46852	46.172	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.340%		
50) Toluene-d8	10.269	98	190448	51.333	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.569	95	53317	46.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	40423	51.217	ug/l	93
3) Chloromethane	2.140	50	49397	45.364	ug/l	90
4) Vinyl Chloride	2.275	62	47322	50.064	ug/l	96
5) Bromomethane	2.687	94	28249	51.075	ug/l	95
6) Chloroethane	2.828	64	31390	50.422	ug/l	96
7) Trichlorofluoromethane	3.169	101	77284	49.933	ug/l	97
8) Diethyl Ether	3.587	74	23653	49.419	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.963	101	50085	50.073	ug/l	97
10) Methyl Iodide	4.158	142	55331	42.088	ug/l	98
11) Tert butyl alcohol	5.052	59	17087m	213.556	ug/l	
12) 1,1-Dichloroethene	3.934	96	51635	48.995	ug/l	95
13) Acrolein	3.793	56	10860	207.167	ug/l	98
14) Allyl chloride	4.558	41	55442	45.957	ug/l	100
15) Acrylonitrile	5.252	53	46412	243.884	ug/l	98
16) Acetone	4.022	43	32109	161.067	ug/l	100
17) Carbon Disulfide	4.269	76	159367	47.916	ug/l	98
18) Methyl Acetate	4.563	43	21209	43.941	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	101081	48.667	ug/l	97
20) Methylene Chloride	4.799	84	66808	55.051	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	57080	48.969	ug/l	94
22) Diisopropyl ether	6.216	45	112810	45.881	ug/l	98
23) Vinyl Acetate	6.152	43	240279	212.426	ug/l	97
24) 1,1-Dichloroethane	6.110	63	81271	45.545	ug/l	98
25) 2-Butanone	7.081	43	47171	206.980	ug/l	98
26) 2,2-Dichloropropane	7.069	77	72188	45.793	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	57899	46.959	ug/l	98
28) Bromochloromethane	7.422	49	25378	48.175	ug/l	95
29) Tetrahydrofuran	7.446	42	29447	230.958	ug/l	95
30) Chloroform	7.599	83	85919	46.596	ug/l	99
31) Cyclohexane	7.875	56	72727	45.571	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	76512	46.976	ug/l	97
36) 1,1-Dichloropropene	8.004	75	66955	47.008	ug/l	99
37) Ethyl Acetate	7.163	43	22235	47.542	ug/l	98
38) Carbon Tetrachloride	7.993	117	63408	50.237	ug/l	96
39) Methylcyclohexane	9.269	83	86854	49.730	ug/l	94
40) Benzene	8.246	78	201370	48.680	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11452	44.747	ug/l	97
42) 1,2-Dichloroethane	8.328	62	47574	48.580	ug/l	99
43) Isopropyl Acetate	8.357	43	41067	46.043	ug/l	98
44) Trichloroethene	9.028	130	56752	48.826	ug/l	100
45) 1,2-Dichloropropane	9.304	63	46279	48.186	ug/l	97
46) Dibromomethane	9.393	93	26722	50.241	ug/l	90
47) Bromodichloromethane	9.587	83	63700	47.954	ug/l	98
48) Methyl methacrylate	9.375	41	19836	47.779	ug/l	93
49) 1,4-Dioxane	9.381	88	5847	1032.189	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	107033	241.420	ug/l	97
52) Toluene	10.334	92	130978	50.096	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	58006	47.841	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	72435	48.487	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	36316	48.559	ug/l	97
56) Ethyl methacrylate	10.593	69	42197	50.154	ug/l	95
57) 1,3-Dichloropropane	10.875	76	59270	49.177	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	36024	188.530	ug/l	99
59) 2-Hexanone	10.916	43	71028	233.616	ug/l	99
60) Dibromochloromethane	11.069	129	44074	50.572	ug/l	97
61) 1,2-Dibromoethane	11.175	107	33717	48.786	ug/l	97
64) Tetrachloroethene	10.810	164	45714	46.476	ug/l	95
65) Chlorobenzene	11.604	112	138533	48.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	47526	49.861	ug/l	97
67) Ethyl Benzene	11.681	91	250687	49.089	ug/l	100
68) m/p-Xylenes	11.787	106	200005	99.660	ug/l	98
69) o-Xylene	12.116	106	93345	50.623	ug/l	97
70) Styrene	12.128	104	159588	50.515	ug/l	98
71) Bromoform	12.298	173	24489	48.867	ug/l #	98
73) Isopropylbenzene	12.416	105	245831	50.466	ug/l	100
74) N-amyl acetate	12.228	43	39397	47.294	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	39200	48.410	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	27619m	54.321	ug/l	
77) Bromobenzene	12.698	156	54553	49.260	ug/l	95
78) n-propylbenzene	12.757	91	297798	50.041	ug/l	99
79) 2-Chlorotoluene	12.845	91	157113	49.568	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	201278	50.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	10104	44.338	ug/l	97
82) 4-Chlorotoluene	12.940	91	161886	50.027	ug/l	99
83) tert-Butylbenzene	13.163	119	175853	50.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	198048	50.085	ug/l	98
85) sec-Butylbenzene	13.339	105	265238	49.725	ug/l	98
86) p-Isopropyltoluene	13.457	119	217612	49.456	ug/l	98
87) 1,3-Dichlorobenzene	13.451	146	112274	50.096	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	111707	50.069	ug/l	99
89) n-Butylbenzene	13.781	91	208408	50.569	ug/l	97
90) Hexachloroethane	14.045	117	38689	49.565	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	96587	50.669	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.439	75	5716	48.192	ug/l	89
93) 1,2,4-Trichlorobenzene	15.092	180	61874	50.018	ug/l	98
94) Hexachlorobutadiene	15.198	225	31655	49.088	ug/l	98
95) Naphthalene	15.328	128	115957	49.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	52159	48.679	ug/l	98

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

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