

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100722\
 Data File : VD074480.D
 Acq On : 07 Oct 2022 09:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 02:22:51 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	104842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	174184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	150361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	70792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47979	51.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.020%			
35) Dibromofluoromethane	7.804	113	53077	46.211	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.420%			
50) Toluene-d8	10.269	98	212441	50.614	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.569	95	59354	45.186	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	46252	49.987	ug/l	91
3) Chloromethane	2.146	50	57545	45.077	ug/l	94
4) Vinyl Chloride	2.281	62	54005	48.734	ug/l	96
5) Bromomethane	2.687	94	34862	53.764	ug/l	92
6) Chloroethane	2.834	64	35174	48.193	ug/l	98
7) Trichlorofluoromethane	3.175	101	88948	49.020	ug/l	99
8) Diethyl Ether	3.593	74	28124	50.120	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	58937	50.259	ug/l	98
10) Methyl Iodide	4.163	142	65504	42.443	ug/l	98
11) Tert butyl alcohol	5.052	59	17670	174.627	ug/l	97
12) 1,1-Dichloroethene	3.940	96	59208	47.920	ug/l	96
13) Acrolein	3.799	56	10915	177.602	ug/l	93
14) Allyl chloride	4.558	41	66738	47.187	ug/l	99
15) Acrylonitrile	5.252	53	55486	248.697	ug/l	98
16) Acetone	4.022	43	50894	219.188	ug/l	100
17) Carbon Disulfide	4.269	76	188165	48.256	ug/l	98
18) Methyl Acetate	4.552	43	25269	44.655	ug/l	99
19) Methyl tert-butyl Ether	5.310	73	119641	49.133	ug/l	98
20) Methylene Chloride	4.799	84	66528	45.888	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	66292	48.510	ug/l	93
22) Diisopropyl ether	6.216	45	139190	48.287	ug/l	97
23) Vinyl Acetate	6.152	43	338879m	255.547	ug/l	
24) 1,1-Dichloroethane	6.110	63	102206	48.856	ug/l	97
25) 2-Butanone	7.081	43	65048	243.456	ug/l	97
26) 2,2-Dichloropropane	7.075	77	90331	48.877	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	71485	49.453	ug/l	99
28) Bromochloromethane	7.428	49	31002	50.198	ug/l	93
29) Tetrahydrofuran	7.440	42	36947	247.175	ug/l	96
30) Chloroform	7.593	83	104510	48.345	ug/l	99
31) Cyclohexane	7.875	56	88098	47.086	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	93786	49.116	ug/l	97
36) 1,1-Dichloropropene	8.010	75	82631	51.253	ug/l	99
37) Ethyl Acetate	7.163	43	27696	52.317	ug/l	99
38) Carbon Tetrachloride	7.987	117	77909	54.532	ug/l	98
39) Methylcyclohexane	9.275	83	97861	49.502	ug/l	97
40) Benzene	8.251	78	248189	53.006	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	15394	53.139	ug/l	92
42) 1,2-Dichloroethane	8.328	62	56160	50.664	ug/l	100
43) Isopropyl Acetate	8.357	43	50497	50.017	ug/l	98
44) Trichloroethene	9.028	130	64915	49.340	ug/l	99
45) 1,2-Dichloropropane	9.304	63	51640	47.501	ug/l	90
46) Dibromomethane	9.393	93	29825	49.540	ug/l	92
47) Bromodichloromethane	9.587	83	72924	48.499	ug/l	97
48) Methyl methacrylate	9.375	41	22624	48.143	ug/l	92
49) 1,4-Dioxane	9.381	88	6381	995.170	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	124341	247.772	ug/l	98
52) Toluene	10.334	92	149746	50.599	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	67598	49.254	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	83362	49.298	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	40478	47.816	ug/l	97
56) Ethyl methacrylate	10.598	69	48410	50.833	ug/l	96
57) 1,3-Dichloropropane	10.881	76	65970	48.357	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	55126	245.910	ug/l	97
59) 2-Hexanone	10.922	43	87626	254.617	ug/l	99
60) Dibromochloromethane	11.075	129	48304	48.966	ug/l	97
61) 1,2-Dibromoethane	11.175	107	39576	50.589	ug/l	98
64) Tetrachloroethene	10.810	164	51634	49.496	ug/l	97
65) Chlorobenzene	11.604	112	156034	51.928	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	52826	52.256	ug/l	98
67) Ethyl Benzene	11.681	91	286436	52.886	ug/l	98
68) m/p-Xylenes	11.792	106	225498	105.945	ug/l	98
69) o-Xylene	12.122	106	103108	52.724	ug/l	99
70) Styrene	12.134	104	178602	53.304	ug/l	99
71) Bromoform	12.298	173	28403	53.440	ug/l #	98
73) Isopropylbenzene	12.416	105	276751	53.157	ug/l	100
74) N-amyl acetate	12.228	43	45330	50.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	44263	51.144	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	26489m	48.745	ug/l	
77) Bromobenzene	12.698	156	61312	51.800	ug/l	98
78) n-propylbenzene	12.763	91	332008	52.198	ug/l	100
79) 2-Chlorotoluene	12.845	91	176046	51.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	227474	52.889	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	13293	54.577	ug/l	92
82) 4-Chlorotoluene	12.945	91	184335	53.297	ug/l	98
83) tert-Butylbenzene	13.163	119	193635	52.321	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	224788	53.188	ug/l	99
85) sec-Butylbenzene	13.339	105	300232	52.662	ug/l	99
86) p-Isopropyltoluene	13.457	119	251773	53.537	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	125680	52.468	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	125457	52.613	ug/l	99
89) n-Butylbenzene	13.781	91	236463	53.683	ug/l	98
90) Hexachloroethane	14.051	117	43866	52.580	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	106873	52.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	6219	49.057	ug/l	90
93) 1,2,4-Trichlorobenzene	15.092	180	66969	50.652	ug/l	98
94) Hexachlorobutadiene	15.198	225	33695	48.888	ug/l	99
95) Naphthalene	15.328	128	131081	51.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	57055	49.820	ug/l	97

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

