

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101722\
 Data File : VD074555.D
 Acq On : 17 Oct 2022 20:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 17 23:10:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	76968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	125258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	115480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	55237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	33562	50.659	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.810	113	42450	56.627	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.260%			
50) Toluene-d8	10.269	98	151947	52.887	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.569	95	44754	50.914	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	35330	47.478	ug/l	96
3) Chloromethane	2.140	50	48271	52.121	ug/l	94
4) Vinyl Chloride	2.281	62	49949	52.136	ug/l	99
5) Bromomethane	2.681	94	32555	47.896	ug/l	100
6) Chloroethane	2.828	64	34902	54.601	ug/l	99
7) Trichlorofluoromethane	3.170	101	71338	48.657	ug/l	97
8) Diethyl Ether	3.593	74	23541	53.488	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	47071	47.766	ug/l	98
10) Methyl Iodide	4.164	142	53230	41.033	ug/l	97
11) Tert butyl alcohol	5.052	59	13257	122.681	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	48042	47.862	ug/l	91
13) Acrolein	3.799	56	7696	227.319	ug/l	97
14) Allyl chloride	4.558	41	51952	47.545	ug/l	99
15) Acrylonitrile	5.258	53	47859	273.173	ug/l	99
16) Acetone	4.017	43	32411	226.796	ug/l	98
17) Carbon Disulfide	4.264	76	132004	44.479	ug/l	100
18) Methyl Acetate	4.558	43	22693	49.903	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	103183	54.020	ug/l	99
20) Methylene Chloride	4.799	84	58603	49.238	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	53503	49.488	ug/l	98
22) Diisopropyl ether	6.211	45	114960	52.619	ug/l	93
23) Vinyl Acetate	6.152	43	226455m	238.753	ug/l	
24) 1,1-Dichloroethane	6.105	63	82246	48.632	ug/l	98
25) 2-Butanone	7.081	43	49974	253.324	ug/l	97
26) 2,2-Dichloropropane	7.075	77	69326	46.569	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	60678	52.694	ug/l	97
28) Bromochloromethane	7.428	49	24232	54.266	ug/l	100
29) Tetrahydrofuran	7.446	42	32052	294.621	ug/l	97
30) Chloroform	7.593	83	91962	56.123	ug/l	96
31) Cyclohexane	7.875	56	61582	43.688	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	77925	52.518	ug/l	98
36) 1,1-Dichloropropene	8.010	75	58815	48.926	ug/l	99
37) Ethyl Acetate	7.169	43	23665	59.979	ug/l	98
38) Carbon Tetrachloride	7.993	117	57657	51.874	ug/l	97
39) Methylcyclohexane	9.269	83	74221	49.328	ug/l	97
40) Benzene	8.252	78	185375	51.811	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	13167	58.163	ug/l	95
42) 1,2-Dichloroethane	8.322	62	45283	53.562	ug/l	100
43) Isopropyl Acetate	8.363	43	40217	55.476	ug/l	99
44) Trichloroethene	9.028	130	52470	51.263	ug/l	99
45) 1,2-Dichloropropane	9.305	63	42094	51.641	ug/l	92
46) Dibromomethane	9.393	93	24917	54.403	ug/l	94
47) Bromodichloromethane	9.581	83	61097	53.965	ug/l	93
48) Methyl methacrylate	9.381	41	19671	56.073	ug/l	93
49) 1,4-Dioxane	9.381	88	5832	1225.697	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	106002	295.569	ug/l	99
52) Toluene	10.334	92	121981	53.944	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	53278	53.974	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	68637	55.053	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	34852	56.765	ug/l	98
56) Ethyl methacrylate	10.599	69	40743	57.567	ug/l	96
57) 1,3-Dichloropropane	10.881	76	55893	54.432	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	34824	225.988	ug/l	98
59) 2-Hexanone	10.922	43	69833	290.880	ug/l	99
60) Dibromochloromethane	11.075	129	42638	57.738	ug/l	97
61) 1,2-Dibromoethane	11.175	107	32397	56.711	ug/l	98
64) Tetrachloroethene	10.810	164	43622	50.446	ug/l	93
65) Chlorobenzene	11.604	112	130514	52.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	46741	55.571	ug/l	100
67) Ethyl Benzene	11.681	91	227254	51.721	ug/l	97
68) m/p-Xylenes	11.793	106	182817	104.346	ug/l	98
69) o-Xylene	12.116	106	87356	53.587	ug/l	94
70) Styrene	12.134	104	147689	53.614	ug/l	99
71) Bromoform	12.298	173	25103	58.590	ug/l #	95
73) Isopropylbenzene	12.416	105	223650	50.331	ug/l	100
74) N-amyl acetate	12.228	43	35817	51.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	38246	54.412	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	22617m	47.911	ug/l	
77) Bromobenzene	12.698	156	53263	52.982	ug/l	96
78) n-propylbenzene	12.763	91	266806	49.630	ug/l	100
79) 2-Chlorotoluene	12.845	91	143338	49.676	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	182106	50.424	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	9995	53.708	ug/l	91
82) 4-Chlorotoluene	12.945	91	145502	50.240	ug/l	99
83) tert-Butylbenzene	13.163	119	159406	50.408	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	184003	51.432	ug/l	99
85) sec-Butylbenzene	13.340	105	239502	49.703	ug/l	99
86) p-Isopropyltoluene	13.457	119	204123	51.018	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	105160	51.057	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	102505	50.150	ug/l	99
89) n-Butylbenzene	13.787	91	184420	49.344	ug/l	98
90) Hexachloroethane	14.051	117	35410	50.127	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	91000	51.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5150	53.594	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	59885	51.690	ug/l	99
94) Hexachlorobutadiene	15.198	225	31299	51.961	ug/l	98
95) Naphthalene	15.328	128	119734	54.725	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	53852	54.453	ug/l	98

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

