

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092722\
 Data File : VD074448.D
 Acq On : 27 Sep 2022 16:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 04:41:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	55008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	87056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	80386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	42481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	21344	45.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.140%		
35) Dibromofluoromethane	7.804	113	27138	46.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.080%		
50) Toluene-d8	10.269	98	101239	51.137	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.280%		
62) 4-Bromofluorobenzene	12.569	95	33114	47.624	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	21997	48.701	ug/l	97
3) Chloromethane	2.140	50	22070	57.757	ug/l	96
4) Vinyl Chloride	2.275	62	20208	52.151	ug/l	100
5) Bromomethane	2.681	94	12882	43.258	ug/l	93
6) Chloroethane	2.828	64	14117	53.186	ug/l	92
7) Trichlorofluoromethane	3.169	101	43135	48.269	ug/l	95
8) Diethyl Ether	3.593	74	13063	49.584	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.952	101	28537	47.068	ug/l	98
10) Methyl Iodide	4.163	142	26229	41.434	ug/l	98
11) Tert butyl alcohol	5.046	59	10596	197.984	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	25875	45.235	ug/l	96
13) Acrolein	3.793	56	6120	186.229	ug/l	100
14) Allyl chloride	4.558	41	26794	45.428	ug/l	98
15) Acrylonitrile	5.252	53	27274	244.069	ug/l	99
16) Acetone	4.022	43	19384	210.986	ug/l	95
17) Carbon Disulfide	4.263	76	56264	44.676	ug/l	98
18) Methyl Acetate	4.558	43	11726	44.148	ug/l	94
19) Methyl tert-butyl Ether	5.316	73	60415	49.139	ug/l	99
20) Methylene Chloride	4.793	84	35515	50.880	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	28977	47.663	ug/l	91
22) Diisopropyl ether	6.216	45	65637	48.658	ug/l	97
23) Vinyl Acetate	6.152	43	143407m	250.433	ug/l	
24) 1,1-Dichloroethane	6.110	63	48307	47.546	ug/l	97
25) 2-Butanone	7.081	43	30066	238.828	ug/l	93
26) 2,2-Dichloropropane	7.069	77	43741	46.292	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	35080	48.617	ug/l	99
28) Bromochloromethane	7.422	49	16093	49.720	ug/l	95
29) Tetrahydrofuran	7.446	42	17515	245.043	ug/l	99
30) Chloroform	7.593	83	55154	48.239	ug/l	100
31) Cyclohexane	7.875	56	35250	43.838	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	48994	49.926	ug/l	98
36) 1,1-Dichloropropene	8.004	75	37519	47.460	ug/l	98
37) Ethyl Acetate	7.163	43	12854	49.342	ug/l	96
38) Carbon Tetrachloride	7.987	117	39847	52.671	ug/l	98
39) Methylcyclohexane	9.275	83	45053	48.093	ug/l	95
40) Benzene	8.246	78	116154	49.771	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7554m	48.084	ug/l	
42) 1,2-Dichloroethane	8.322	62	28282	48.303	ug/l	97
43) Isopropyl Acetate	8.357	43	24914	49.191	ug/l	100
44) Trichloroethene	9.022	130	35381	49.566	ug/l	90
45) 1,2-Dichloropropane	9.304	63	26915	48.633	ug/l	96
46) Dibromomethane	9.393	93	16897	51.681	ug/l	98
47) Bromodichloromethane	9.581	83	41946	49.608	ug/l	99
48) Methyl methacrylate	9.375	41	11919	52.689	ug/l	100
49) 1,4-Dioxane	9.387	88	3798	1026.885	ug/l	97
51) 4-Methyl-2-Pentanone	10.157	43	67649	259.909	ug/l	100
52) Toluene	10.334	92	76969	51.027	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	36700	52.222	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	44405	49.508	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	23660	51.979	ug/l	96
56) Ethyl methacrylate	10.593	69	26185	51.277	ug/l	97
57) 1,3-Dichloropropane	10.881	76	37772	50.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	19052	233.349	ug/l	97
59) 2-Hexanone	10.922	43	45207	257.340	ug/l	97
60) Dibromochloromethane	11.075	129	29841	52.343	ug/l	98
61) 1,2-Dibromoethane	11.181	107	22509	50.867	ug/l	97
64) Tetrachloroethene	10.810	164	30359	48.699	ug/l	89
65) Chlorobenzene	11.604	112	88772	50.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	32387	51.390	ug/l	97
67) Ethyl Benzene	11.681	91	156115	50.967	ug/l	99
68) m/p-Xylenes	11.792	106	124515	103.577	ug/l	98
69) o-Xylene	12.116	106	59875	53.712	ug/l	94
70) Styrene	12.134	104	102313	52.652	ug/l	98
71) Bromoform	12.298	173	18778	54.073	ug/l #	98
73) Isopropylbenzene	12.416	105	159786	50.666	ug/l	100
74) N-amyl acetate	12.228	43	24088	48.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	27075	49.207	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	20868m	62.806	ug/l	
77) Bromobenzene	12.698	156	37772	50.559	ug/l	97
78) n-propylbenzene	12.757	91	190561	50.226	ug/l	99
79) 2-Chlorotoluene	12.845	91	102974	50.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	133861	51.306	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	7002	51.424	ug/l	93
82) 4-Chlorotoluene	12.939	91	105443	50.227	ug/l	98
83) tert-Butylbenzene	13.163	119	120453	51.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	131565	50.651	ug/l	100
85) sec-Butylbenzene	13.339	105	179012	50.656	ug/l	99
86) p-Isopropyltoluene	13.457	119	152223	51.537	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	78338	51.086	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	78454	51.111	ug/l	99
89) n-Butylbenzene	13.781	91	139749	51.029	ug/l	98
90) Hexachloroethane	14.045	117	26137	49.994	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	68756	51.421	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3566	47.434	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	45064	49.771	ug/l	98
94) Hexachlorobutadiene	15.198	225	25434	51.254	ug/l	96
95) Naphthalene	15.328	128	81941	49.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	38673	49.807	ug/l	99

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

