

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092222\
 Data File : VD074396.D
 Acq On : 22 Sep 2022 10:46
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/23/2022
 Supervised By :Mahesh Dadoda 09/23/2022

Quant Time: Sep 23 07:02:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 23 06:55:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	80608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	145727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	63943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	4595	5.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.720%#		
35) Dibromofluoromethane	7.805	113	4633	4.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.160%#		
50) Toluene-d8	10.269	98	19542	5.488	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.980%#		
62) 4-Bromofluorobenzene	12.569	95	5532	3.971	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	7.940%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.929	85	3036	4.218	ug/l	96
3) Chloromethane	2.140	50	5485	5.595	ug/l #	88
4) Vinyl Chloride	2.276	62	2493	4.215	ug/l	98
5) Bromomethane	2.687	94	671	3.132	ug/l	99
6) Chloroethane	2.828	64	1400	3.744	ug/l	98
7) Trichlorofluoromethane	3.158	101	6193	4.650	ug/l	92
8) Diethyl Ether	3.587	74	1984	4.402	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	4492	5.030	ug/l	92
10) Methyl Iodide	4.152	142	976m	1.549	ug/l	
11) Tert butyl alcohol	5.022	59	10605	45.182	ug/l #	75
12) 1,1-Dichloroethene	3.934	96	4228	4.856	ug/l #	74
13) Acrolein	3.793	56	764	23.409	ug/l #	69
14) Allyl chloride	4.552	41	5898	4.472	ug/l #	74
15) Acrylonitrile	5.258	53	5055	23.201	ug/l #	88
16) Acetone	4.023	43	5134	28.358	ug/l	94
17) Carbon Disulfide	4.258	76	8583	3.671	ug/l #	93
18) Methyl Acetate	4.564	43	4121	6.556	ug/l #	84
19) Methyl tert-butyl Ether	5.305	73	9634	4.559	ug/l	97
20) Methylene Chloride	4.799	84	17464	9.233	ug/l	90
21) trans-1,2-Dichloroethene	5.293	96	4300	4.419	ug/l #	75
22) Diisopropyl ether	6.211	45	12937	4.430	ug/l	96
23) Vinyl Acetate	6.152	43	22625m	17.694	ug/l	
24) 1,1-Dichloroethane	6.099	63	8888	4.836	ug/l	97
25) 2-Butanone	7.075	43	7386	25.279	ug/l	95
26) 2,2-Dichloropropane	7.075	77	8109	4.959	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	5441	4.752	ug/l	96
28) Bromochloromethane	7.422	49	3066	4.521	ug/l #	89
29) Tetrahydrofuran	7.452	42	4351	25.755	ug/l	92
30) Chloroform	7.593	83	8970	4.951	ug/l	86
31) Cyclohexane	7.869	56	8807	5.494	ug/l #	88
32) 1,1,1-Trichloroethane	7.799	97	7321	4.695	ug/l	93
36) 1,1-Dichloropropene	8.011	75	6114	4.116	ug/l	98
37) Ethyl Acetate	7.158	43	2827	4.486	ug/l #	82
38) Carbon Tetrachloride	7.987	117	4807	3.921	ug/l	86
39) Methylcyclohexane	9.269	83	6881	3.934	ug/l	88
40) Benzene	8.252	78	18486	4.281	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1249	3.684	ug/l #	58
42) 1,2-Dichloroethane	8.316	62	4964	4.508	ug/l	93
43) Isopropyl Acetate	8.358	43	5818	4.680	ug/l #	85
44) Trichloroethene	9.028	130	5524	4.922	ug/l	99
45) 1,2-Dichloropropane	9.305	63	5176	4.586	ug/l #	88
46) Dibromomethane	9.393	93	2536	4.492	ug/l	89
47) Bromodichloromethane	9.581	83	6771	4.797	ug/l #	88
48) Methyl methacrylate	9.381	41	2642	4.616	ug/l	99
49) 1,4-Dioxane	9.375	88	443	66.614	ug/l #	94
51) 4-Methyl-2-Pentanone	10.163	43	14045	21.906	ug/l	94
52) Toluene	10.328	92	11637	4.309	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	5809	4.275	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	7170	4.290	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	3927	4.949	ug/l #	93
56) Ethyl methacrylate	10.599	69	4075	4.081	ug/l	94
57) 1,3-Dichloropropane	10.875	76	5718	4.123	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	2482	14.619	ug/l #	89
59) 2-Hexanone	10.922	43	9283	21.193	ug/l	99
60) Dibromochloromethane	11.075	129	4042	4.460	ug/l	95
61) 1,2-Dibromoethane	11.181	107	3438	4.777	ug/l	100
64) Tetrachloroethene	10.810	164	5156	5.383	ug/l	94
65) Chlorobenzene	11.604	112	12574	4.443	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	4319	4.413	ug/l	96
67) Ethyl Benzene	11.681	91	22416	4.270	ug/l	98
68) m/p-Xylenes	11.787	106	16821	8.544	ug/l	97
69) o-Xylene	12.116	106	8321	4.452	ug/l	96
70) Styrene	12.134	104	14030	4.338	ug/l	99
71) Bromoform	12.293	173	2318	4.528	ug/l #	96
73) Isopropylbenzene	12.416	105	22419	4.509	ug/l	97
74) N-amyl acetate	12.228	43	5099	4.464	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	4374	4.831	ug/l	90
76) 1,2,3-Trichloropropane	12.722	75	3503m	6.377	ug/l	
77) Bromobenzene	12.699	156	4838	4.424	ug/l	98
78) n-propylbenzene	12.757	91	27599	4.466	ug/l	99
79) 2-Chlorotoluene	12.846	91	15067	4.572	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	18683	4.535	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	1072	4.127	ug/l #	100
82) 4-Chlorotoluene	12.946	91	15308	4.510	ug/l	100
83) tert-Butylbenzene	13.163	119	16007	4.451	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	17982	4.428	ug/l	97
85) sec-Butylbenzene	13.340	105	23680	4.309	ug/l	98
86) p-Isopropyltoluene	13.451	119	19977	4.431	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	10376	4.653	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	10565	4.734	ug/l	94
89) n-Butylbenzene	13.781	91	20039	4.520	ug/l	100
90) Hexachloroethane	14.046	117	2730	3.714	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	8916	4.627	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	486	3.787	ug/l	84
93) 1,2,4-Trichlorobenzene	15.092	180	6188	4.902	ug/l	94
94) Hexachlorobutadiene	15.193	225	3695	5.182	ug/l	88
95) Naphthalene	15.328	128	10317	4.242	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	5216	4.713	ug/l	94

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

