

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074513.D
 Acq On : 11 Oct 2022 12:31
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 12 00:43:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 00:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	160184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	141908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	67257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	7815	10.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.240%#		
35) Dibromofluoromethane	7.804	113	12518	11.939	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.880%#		
50) Toluene-d8	10.269	98	30883	8.771	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	17.540%#		
62) 4-Bromofluorobenzene	12.569	95	19088	14.628	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	29.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15789	18.197	ug/l	96
3) Chloromethane	2.146	50	21949	20.326	ug/l	95
4) Vinyl Chloride	2.281	62	21041	18.836	ug/l	93
5) Bromomethane	2.681	94	14643	18.477	ug/l	89
6) Chloroethane	2.828	64	14181	19.027	ug/l	99
7) Trichlorofluoromethane	3.175	101	32743	19.154	ug/l	95
8) Diethyl Ether	3.593	74	9885	19.263	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.969	101	22622	19.688	ug/l	98
10) Methyl Iodide	4.158	142	23350	17.725	ug/l	96
11) Tert butyl alcohol	5.022	59	15801	103.232	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	23206	19.828	ug/l	90
13) Acrolein	3.793	56	4594	116.378	ug/l	96
14) Allyl chloride	4.563	41	25706	20.176	ug/l	99
15) Acrylonitrile	5.252	53	20558	100.638	ug/l	96
16) Acetone	4.016	43	16865	101.214	ug/l	100
17) Carbon Disulfide	4.269	76	69400	20.056	ug/l	99
18) Methyl Acetate	4.563	43	10550	19.897	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	44395	19.934	ug/l	92
20) Methylene Chloride	4.799	84	35562	20.484	ug/l	88
21) trans-1,2-Dichloroethene	5.310	96	25965	20.598	ug/l	93
22) Diisopropyl ether	6.210	45	54631	21.446	ug/l	97
23) Vinyl Acetate	6.157	43	111635	107.188	ug/l	98
24) 1,1-Dichloroethane	6.110	63	39788	20.177	ug/l	95
25) 2-Butanone	7.087	43	22765	98.971	ug/l	93
26) 2,2-Dichloropropane	7.075	77	34840	20.072	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	28271	21.056	ug/l	99
28) Bromochloromethane	7.428	49	11325	21.751	ug/l	98
29) Tetrahydrofuran	7.451	42	13088	103.179	ug/l	97
30) Chloroform	7.599	83	40358	21.124	ug/l	99
31) Cyclohexane	7.875	56	32868	19.998	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	34566	19.980	ug/l	96
36) 1,1-Dichloropropene	8.010	75	30864	20.077	ug/l	97
37) Ethyl Acetate	7.169	43	9715	19.254	ug/l	96
38) Carbon Tetrachloride	7.993	117	26947	18.958	ug/l	90
39) Methylcyclohexane	9.275	83	38235	19.871	ug/l	93
40) Benzene	8.251	78	88696	19.385	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6668m	22.098	ug/l	
42) 1,2-Dichloroethane	8.322	62	20674	19.122	ug/l	98
43) Isopropyl Acetate	8.363	43	17540	18.920	ug/l	99
44) Trichloroethene	9.028	130	25390	19.397	ug/l	97
45) 1,2-Dichloropropane	9.304	63	20543	19.707	ug/l	90
46) Dibromomethane	9.393	93	11513	19.656	ug/l	92
47) Bromodichloromethane	9.587	83	28682	19.810	ug/l	93
48) Methyl methacrylate	9.381	41	8580	19.125	ug/l	89
49) 1,4-Dioxane	9.387	88	2215	364.020	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	45175	98.499	ug/l	97
52) Toluene	10.334	92	58655	20.284	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	25206	19.968	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	32001	20.071	ug/l	99
55) 1,1,2-Trichloroethane	10.728	97	16158	20.579	ug/l	95
56) Ethyl methacrylate	10.598	69	17775	19.639	ug/l	98
57) 1,3-Dichloropropane	10.881	76	25521	19.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	15488	91.127	ug/l	99
59) 2-Hexanone	10.916	43	30300	98.692	ug/l	99
60) Dibromochloromethane	11.069	129	19486	20.633	ug/l	95
61) 1,2-Dibromoethane	11.175	107	14560	19.930	ug/l	100
64) Tetrachloroethene	10.810	164	21123	19.878	ug/l	91
65) Chlorobenzene	11.604	112	61991	20.351	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.675	131	20586	19.917	ug/l	96
67) Ethyl Benzene	11.681	91	110218	20.413	ug/l	95
68) m/p-Xylenes	11.792	106	88321	41.023	ug/l	98
69) o-Xylene	12.116	106	40617	20.276	ug/l	98
70) Styrene	12.134	104	69025	20.391	ug/l	100
71) Bromoform	12.298	173	10309	19.580	ug/l #	95
73) Isopropylbenzene	12.416	105	107183	19.810	ug/l	99
74) N-amyl acetate	12.228	43	16135	19.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	16685	19.495	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	9793m	19.018	ug/l	
77) Bromobenzene	12.698	156	23047	18.828	ug/l	92
78) n-propylbenzene	12.757	91	130662	19.961	ug/l	99
79) 2-Chlorotoluene	12.845	91	69381	19.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	87482	19.894	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	4574	20.186	ug/l	95
82) 4-Chlorotoluene	12.939	91	71604	20.305	ug/l	98
83) tert-Butylbenzene	13.163	119	76861	19.961	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	86385	19.831	ug/l	98
85) sec-Butylbenzene	13.339	105	116169	19.800	ug/l	100
86) p-Isopropyltoluene	13.457	119	98530	20.225	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	48318	19.267	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	47788	19.202	ug/l	99
89) n-Butylbenzene	13.781	91	89963	19.769	ug/l	97
90) Hexachloroethane	14.051	117	16771	19.498	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	41190	19.254	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2134	18.239	ug/l	92
93) 1,2,4-Trichlorobenzene	15.092	180	26630	18.878	ug/l	100
94) Hexachlorobutadiene	15.198	225	13614	18.562	ug/l	97
95) Naphthalene	15.322	128	48640	18.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	22856	18.981	ug/l	99

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

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