

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011823\
 Data File : VD075125.D
 Acq On : 18 Jan 2023 11:20
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/19/2023
 Supervised By :Mahesh Dadoda 01/19/2023

Quant Time: Jan 19 01:08:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:06:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	96011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	171368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	154817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	68764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10421	10.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.260%#		
35) Dibromofluoromethane	7.811	113	10679	10.236	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.480%#		
50) Toluene-d8	10.269	98	42475	10.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.940%#		
62) 4-Bromofluorobenzene	12.575	95	12893	10.064	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	9732	11.596	ug/l	98
3) Chloromethane	2.146	50	14092	11.235	ug/l	98
4) Vinyl Chloride	2.287	62	13910	10.413	ug/l	98
5) Bromomethane	2.693	94	9911	10.777	ug/l	97
6) Chloroethane	2.840	64	9809	10.687	ug/l	93
7) Trichlorofluoromethane	3.175	101	17225	10.251	ug/l	99
8) Diethyl Ether	3.587	74	5813	10.765	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	10511	9.998	ug/l	96
10) Methyl Iodide	4.164	142	12969	9.322	ug/l	99
11) Tert butyl alcohol	5.058	59	3971	56.593	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	11573	10.522	ug/l	92
13) Acrolein	3.793	56	4290	63.692	ug/l	92
14) Allyl chloride	4.564	41	18458	10.531	ug/l	98
15) Acrylonitrile	5.252	53	12894	55.055	ug/l	92
16) Acetone	4.028	43	13335	50.827	ug/l	92
17) Carbon Disulfide	4.270	76	37977	10.659	ug/l	99
18) Methyl Acetate	4.564	43	7708	10.885	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	24097	10.435	ug/l	91
20) Methylene Chloride	4.805	84	22289	13.294	ug/l	97
21) trans-1,2-Dichloroethene	5.317	96	12984	10.760	ug/l	97
22) Diisopropyl ether	6.216	45	35071	10.588	ug/l	99
23) Vinyl Acetate	6.164	43	71323	49.572	ug/l	98
24) 1,1-Dichloroethane	6.111	63	22677	10.875	ug/l	99
25) 2-Butanone	7.081	43	16887	53.633	ug/l	98
26) 2,2-Dichloropropane	7.075	77	19538	10.642	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	13974	10.436	ug/l	99
28) Bromochloromethane	7.434	49	6486	11.363	ug/l #	97
29) Tetrahydrofuran	7.446	42	9735	54.233	ug/l	96
30) Chloroform	7.599	83	22249	10.732	ug/l	99
31) Cyclohexane	7.881	56	20337	10.454	ug/l #	92
32) 1,1,1-Trichloroethane	7.793	97	18948	10.518	ug/l	98
36) 1,1-Dichloropropene	8.016	75	16613	9.980	ug/l	99
37) Ethyl Acetate	7.175	43	7641	11.194	ug/l #	90
38) Carbon Tetrachloride	7.987	117	12852	9.299	ug/l #	94
39) Methylcyclohexane	9.275	83	20212	9.905	ug/l	93
40) Benzene	8.252	78	48840	10.331	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	4374	10.636	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	12883	10.283	ug/l	98
43) Isopropyl Acetate	8.358	43	13429	10.293	ug/l #	83
44) Trichloroethene	9.028	130	13740	10.403	ug/l	99
45) 1,2-Dichloropropane	9.305	63	12183	10.474	ug/l	96
46) Dibromomethane	9.393	93	6676	10.730	ug/l	92
47) Bromodichloromethane	9.587	83	15601	10.231	ug/l	97
48) Methyl methacrylate	9.375	41	6710	10.579	ug/l	94
49) 1,4-Dioxane	9.381	88	1323	225.379	ug/l #	66
51) 4-Methyl-2-Pentanone	10.157	43	32858	52.040	ug/l	95
52) Toluene	10.334	92	31056	10.448	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	14593	10.120	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	17774	10.049	ug/l	96
55) 1,1,2-Trichloroethane	10.740	97	8383	10.409	ug/l	94
56) Ethyl methacrylate	10.599	69	9826	9.864	ug/l	99
57) 1,3-Dichloropropane	10.881	76	14558	10.350	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	16778	50.376	ug/l	97
59) 2-Hexanone	10.922	43	23910	52.217	ug/l	96
60) Dibromochloromethane	11.075	129	10250	10.407	ug/l	93
61) 1,2-Dibromoethane	11.181	107	7829	10.055	ug/l	96
64) Tetrachloroethene	10.810	164	11246	10.132	ug/l	96
65) Chlorobenzene	11.610	112	31739	10.138	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	10566	9.966	ug/l	99
67) Ethyl Benzene	11.687	91	56542	9.898	ug/l	95
68) m/p-Xylenes	11.793	106	43391	19.711	ug/l	99
69) o-Xylene	12.122	106	20680	9.976	ug/l	97
70) Styrene	12.134	104	35272	10.169	ug/l	99
71) Bromoform	12.304	173	5463	9.782	ug/l #	100
73) Isopropylbenzene	12.422	105	52844	9.819	ug/l	98
74) N-amyl acetate	12.240	43	11900	10.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	9269	10.570	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	5618m	8.661	ug/l	
77) Bromobenzene	12.704	156	12251	10.023	ug/l	93
78) n-propylbenzene	12.769	91	65110	9.753	ug/l	100
79) 2-Chlorotoluene	12.851	91	36521	9.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	43405	9.814	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	2363	9.526	ug/l	96
82) 4-Chlorotoluene	12.951	91	38214	10.081	ug/l	98
83) tert-Butylbenzene	13.169	119	37390	9.708	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	42662	9.840	ug/l	98
85) sec-Butylbenzene	13.345	105	57172	9.818	ug/l	99
86) p-Isopropyltoluene	13.463	119	47110	9.844	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	24771	10.248	ug/l	99
88) 1,4-Dichlorobenzene	13.546	146	24255	10.315	ug/l	96
89) n-Butylbenzene	13.793	91	46062	9.920	ug/l	98
90) Hexachloroethane	14.057	117	8176	9.831	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	20509	9.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1310	9.855	ug/l	97
93) 1,2,4-Trichlorobenzene	15.104	180	13610	10.187	ug/l	98
94) Hexachlorobutadiene	15.210	225	6237	9.459	ug/l	96
95) Naphthalene	15.334	128	26762	10.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11451	9.892	ug/l	99

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

