

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077782.D
 Acq On : 08 Dec 2023 09:15
 Operator : JC/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

Quant Time: Dec 08 13:41:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	138695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	241437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	220041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8355	5.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.220%#		
35) Dibromofluoromethane	7.804	113	8310	4.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.820%#		
50) Toluene-d8	10.269	98	30743	4.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.080%#		
62) 4-Bromofluorobenzene	12.575	95	9828	4.853	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	10548	6.088	ug/l	94
3) Chloromethane	2.158	50	13278	5.623	ug/l	91
4) Vinyl Chloride	2.293	62	17863	5.572	ug/l	97
5) Bromomethane	2.705	94	8313	4.621	ug/l	91
6) Chloroethane	2.852	64	12258	5.608	ug/l #	88
7) Trichlorofluoromethane	3.187	101	16355	5.539	ug/l	100
8) Diethyl Ether	3.599	74	4137	4.990	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.975	101	9494	5.621	ug/l #	76
10) Methyl Iodide	4.187	142	1812	7.800	ug/l #	46
11) Tert butyl alcohol	5.046	59	2657m	23.550	ug/l	
12) 1,1-Dichloroethene	3.940	96	8864	5.317	ug/l #	81
13) Acrolein	3.816	56	4305	24.902	ug/l	84
14) Allyl chloride	4.569	41	12032	5.247	ug/l #	88
15) Acrylonitrile	5.258	53	9201	25.919	ug/l	98
16) Acetone	4.028	43	15907	15.430	ug/l #	80
17) Carbon Disulfide	4.281	76	32090	5.689	ug/l #	94
18) Methyl Acetate	4.569	43	6736	5.233	ug/l #	80
19) Methyl tert-butyl Ether	5.322	73	18197	5.145	ug/l	92
20) Methylene Chloride	4.816	84	16955	4.336	ug/l #	87
21) trans-1,2-Dichloroethene	5.316	96	9380	4.967	ug/l	89
22) Diisopropyl ether	6.222	45	23688	4.944	ug/l #	88
23) Vinyl Acetate	6.163	43	55726m	23.815	ug/l	
24) 1,1-Dichloroethane	6.116	63	17494	5.391	ug/l	94
25) 2-Butanone	7.087	43	16264	22.539	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	14688	5.391	ug/l	92
27) cis-1,2-Dichloroethene	7.087	96	10077	4.959	ug/l	73
28) Bromochloromethane	7.434	49	6458	4.925	ug/l #	76
29) Tetrahydrofuran	7.446	42	6790	26.090	ug/l #	85
30) Chloroform	7.599	83	17891	5.509	ug/l #	81
31) Cyclohexane	7.881	56	17324	5.960	ug/l #	94
32) 1,1,1-Trichloroethane	7.799	97	15394	5.377	ug/l	94
36) 1,1-Dichloropropene	8.004	75	13707	5.067	ug/l	93
37) Ethyl Acetate	7.169	43	6831m	6.476	ug/l	
38) Carbon Tetrachloride	7.999	117	14358	5.324	ug/l #	88
39) Methylcyclohexane	9.281	83	15656	4.882	ug/l	90
40) Benzene	8.257	78	38988	5.078	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	3051	5.691	ug/l #	75
42) 1,2-Dichloroethane	8.328	62	10411	5.231	ug/l	98
43) Isopropyl Acetate	8.363	43	9866	5.262	ug/l	93
44) Trichloroethene	9.028	130	10086	5.041	ug/l	93
45) 1,2-Dichloropropane	9.304	63	9772	5.236	ug/l	96
46) Dibromomethane	9.393	93	4925	4.987	ug/l	89
47) Bromodichloromethane	9.587	83	12557	5.017	ug/l	92
48) Methyl methacrylate	9.387	41	4988	4.680	ug/l #	78
49) 1,4-Dioxane	9.393	88	1179	120.231	ug/l #	62
51) 4-Methyl-2-Pentanone	10.163	43	23501	24.558	ug/l #	84
52) Toluene	10.340	92	22841	4.796	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	11348	4.721	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	14317	4.926	ug/l	95
55) 1,1,2-Trichloroethane	10.740	97	6764	5.007	ug/l	91
56) Ethyl methacrylate	10.598	69	5777	4.851	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	11329	4.865	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	15178	22.351	ug/l	94
59) 2-Hexanone	10.922	43	22917	28.866	ug/l	89
60) Dibromochloromethane	11.075	129	8195	5.039	ug/l	95
61) 1,2-Dibromoethane	11.181	107	6119	4.812	ug/l	90
64) Tetrachloroethene	10.810	164	8015	4.956	ug/l #	84
65) Chlorobenzene	11.610	112	41083	6.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	8901	4.864	ug/l	94
67) Ethyl Benzene	11.687	91	43283	4.725	ug/l	100
68) m/p-Xylenes	11.792	106	31710	9.049	ug/l	92
69) o-Xylene	12.128	106	14713	4.556	ug/l	96
70) Styrene	12.140	104	21696	4.518	ug/l	94
71) Bromoform	12.304	173	4965	5.193	ug/l #	96
73) Isopropylbenzene	12.422	105	39969	5.134	ug/l	92
74) N-amyl acetate	12.234	43	7474	4.883	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.681	83	6741	4.966	ug/l	95
76) 1,2,3-Trichloropropane	12.734	75	4612m	5.169	ug/l	
77) Bromobenzene	12.704	156	9779	5.340	ug/l	94
78) n-propylbenzene	12.763	91	47706	5.028	ug/l	95
79) 2-Chlorotoluene	12.851	91	26572	5.226	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	33304	5.129	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.475	75	2248	5.105	ug/l	93
82) 4-Chlorotoluene	12.945	91	26559	4.997	ug/l	98
83) tert-Butylbenzene	13.169	119	26092	4.759	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	30516	4.698	ug/l	99
85) sec-Butylbenzene	13.345	105	40077	4.946	ug/l	100
86) p-Isopropyltoluene	13.463	119	34252	4.721	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	18816	5.024	ug/l	94
88) 1,4-Dichlorobenzene	13.545	146	26681	5.716	ug/l	93
89) n-Butylbenzene	13.792	91	33322	4.881	ug/l	99
90) Hexachloroethane	14.057	117	6703	5.024	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	17166	5.389	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1378	6.147	ug/l	63
93) 1,2,4-Trichlorobenzene	15.098	180	12786	5.877	ug/l	89
94) Hexachlorobutadiene	15.204	225	5831	4.970	ug/l	98
95) Naphthalene	15.333	128	16774	4.640	ug/l	96
96) 1,2,3-Trichlorobenzene	15.528	180	9045	5.043	ug/l	98

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

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