

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077033.D
 Acq On : 28 Aug 2023 10:03
 Operator : JC/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2023
 Supervised By :Mahesh Dadoda 08/29/2023

Quant Time: Aug 28 13:29:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 28 13:28:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	187729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	328994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9450	5.113	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.220%#		
35) Dibromofluoromethane	7.799	113	10028	4.563	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.120%#		
50) Toluene-d8	10.269	98	33475	4.210	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.420%#		
62) 4-Bromofluorobenzene	12.569	95	10018	4.273	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	9723	5.413	ug/l	97
3) Chloromethane	2.146	50	21136	4.054	ug/l	96
4) Vinyl Chloride	2.281	62	21405	5.578	ug/l	94
5) Bromomethane	2.693	94	18887	5.755	ug/l	97
6) Chloroethane	2.834	64	13478	5.172	ug/l	99
7) Trichlorofluoromethane	3.169	101	18707	5.388	ug/l	90
8) Diethyl Ether	3.593	74	4410	4.640	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.964	101	9983	4.925	ug/l	91
10) Methyl Iodide	4.164	142	10640	4.117	ug/l #	88
11) Tert butyl alcohol	5.069	59	3002m	27.070	ug/l	
12) 1,1-Dichloroethene	3.940	96	10536	5.239	ug/l	92
13) Acrolein	3.799	56	4896	30.989	ug/l	99
14) Allyl chloride	4.558	41	11126	5.015	ug/l	93
15) Acrylonitrile	5.263	53	10087	23.981	ug/l	95
16) Acetone	4.028	43	11669	27.698	ug/l	89
17) Carbon Disulfide	4.269	76	33742	5.498	ug/l #	89
18) Methyl Acetate	4.558	43	6695	4.697	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	20365	4.669	ug/l	95
20) Methylene Chloride	4.805	84	21485	4.603	ug/l	91
21) trans-1,2-Dichloroethene	5.305	96	12430	5.247	ug/l	88
22) Diisopropyl ether	6.216	45	22555	4.538	ug/l #	90
23) Vinyl Acetate	6.158	43	55726	23.638	ug/l	99
24) 1,1-Dichloroethane	6.105	63	19322	5.179	ug/l #	96
25) 2-Butanone	7.075	43	13925	26.379	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	16890	5.086	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	13411	5.039	ug/l	95
28) Bromochloromethane	7.428	49	7933	5.952	ug/l #	90
29) Tetrahydrofuran	7.446	42	6838	23.322	ug/l	95
30) Chloroform	7.593	83	21574	5.162	ug/l	99
31) Cyclohexane	7.881	56	17140	5.804	ug/l #	80
32) 1,1,1-Trichloroethane	7.793	97	18965	5.228	ug/l	97
36) 1,1-Dichloropropene	8.005	75	15288	4.883	ug/l	98
37) Ethyl Acetate	7.163	43	5069m	4.467	ug/l	
38) Carbon Tetrachloride	7.987	117	15160	4.789	ug/l	91
39) Methylcyclohexane	9.269	83	16701	4.588	ug/l	96
40) Benzene	8.252	78	44495	4.732	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3072m	4.933	ug/l	
42) 1,2-Dichloroethane	8.328	62	12224	5.031	ug/l	94
43) Isopropyl Acetate	8.369	43	10148	4.730	ug/l	96
44) Trichloroethene	9.028	130	13633	5.088	ug/l	94
45) 1,2-Dichloropropane	9.304	63	10553	4.744	ug/l	100
46) Dibromomethane	9.393	93	7383	5.214	ug/l	87
47) Bromodichloromethane	9.593	83	16207	4.902	ug/l #	90
48) Methyl methacrylate	9.375	41	4179	4.346	ug/l #	79
49) 1,4-Dioxane	9.381	88	1562	102.962	ug/l #	72
51) 4-Methyl-2-Pentanone	10.157	43	24193	21.919	ug/l	90
52) Toluene	10.334	92	27135	4.478	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	14074	4.603	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	16780	4.615	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	9849	5.240	ug/l #	81
56) Ethyl methacrylate	10.598	69	8460	4.267	ug/l	98
57) 1,3-Dichloropropane	10.881	76	14475	4.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	13876	19.142	ug/l	97
59) 2-Hexanone	10.922	43	16199	20.446	ug/l	93
60) Dibromochloromethane	11.069	129	10891	4.681	ug/l	92
61) 1,2-Dibromoethane	11.181	107	8460	4.701	ug/l	98
64) Tetrachloroethene	10.810	164	11147	5.099	ug/l #	88
65) Chlorobenzene	11.610	112	33190	5.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	11492	4.672	ug/l	95
67) Ethyl Benzene	11.687	91	50235	4.447	ug/l	99
68) m/p-Xylenes	11.793	106	39244	8.677	ug/l	99
69) o-Xylene	12.122	106	17591	4.255	ug/l	97
70) Styrene	12.134	104	30282	4.217	ug/l	98
71) Bromoform	12.304	173	6829	4.986	ug/l #	99
73) Isopropylbenzene	12.422	105	44186	4.347	ug/l	99
74) N-amyl acetate	12.234	43	7992	4.464	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.669	83	10203	5.134	ug/l	93
76) 1,2,3-Trichloropropane	12.722	75	6660m	4.895	ug/l	
77) Bromobenzene	12.704	156	12237	4.774	ug/l	97
78) n-propylbenzene	12.763	91	53322	4.292	ug/l	98
79) 2-Chlorotoluene	12.845	91	32191	4.740	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	37412	4.408	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	3422	5.655	ug/l	95
82) 4-Chlorotoluene	12.945	91	33111	4.609	ug/l	98
83) tert-Butylbenzene	13.169	119	31589	4.305	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	36672	4.309	ug/l	96
85) sec-Butylbenzene	13.345	105	48367	4.366	ug/l	98
86) p-Isopropyltoluene	13.463	119	38408	4.066	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	25287	4.760	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	25235	4.897	ug/l	89
89) n-Butylbenzene	13.787	91	39106	4.507	ug/l	95
90) Hexachloroethane	14.057	117	8724	4.762	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	21990	4.857	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	1348	4.871	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	12618	4.532	ug/l	98
94) Hexachlorobutadiene	15.210	225	6974	4.778	ug/l	96
95) Naphthalene	15.334	128	21594	4.182	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	11712	4.696	ug/l	94

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

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