

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077850.D
 Acq On : 12 Dec 2023 18:49
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2023
 Supervised By :Semsettin Yesilyurt 12/13/2023

Quant Time: Dec 13 03:13:06 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	129008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	225840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	218455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81072	53.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.660%			
35) Dibromofluoromethane	7.804	113	82665	52.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.275	98	336162	53.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.575	95	102332	54.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	71849	44.585	ug/l	95
3) Chloromethane	2.152	50	114020	51.907	ug/l	98
4) Vinyl Chloride	2.287	62	153641	51.522	ug/l	99
5) Bromomethane	2.699	94	99219	59.296	ug/l	99
6) Chloroethane	2.840	64	107573	52.912	ug/l	96
7) Trichlorofluoromethane	3.181	101	136916	49.852	ug/l	94
8) Diethyl Ether	3.593	74	42634	55.283	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.981	101	81497	51.869	ug/l	97
10) Methyl Iodide	4.169	142	89262	62.823	ug/l	92
11) Tert butyl alcohol	5.052	59	19908	272.983	ug/l	99
12) 1,1-Dichloroethene	3.946	96	82167	52.986	ug/l	85
13) Acrolein	3.799	56	34936	217.255	ug/l	96
14) Allyl chloride	4.569	41	115045	53.942	ug/l	91
15) Acrylonitrile	5.258	53	95774	290.052	ug/l	96
16) Acetone	4.016	43	86260	264.371	ug/l #	83
17) Carbon Disulfide	4.275	76	265665	50.638	ug/l	98
18) Methyl Acetate	4.569	43	71076	59.368	ug/l #	87
19) Methyl tert-butyl Ether	5.322	73	188037	57.153	ug/l	99
20) Methylene Chloride	4.805	84	100130	56.221	ug/l #	82
21) trans-1,2-Dichloroethene	5.316	96	96521	54.953	ug/l	86
22) Diisopropyl ether	6.216	45	255324	57.287	ug/l	94
23) Vinyl Acetate	6.157	43	615860	282.961	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	164255	54.421	ug/l	97
25) 2-Butanone	7.087	43	115965	279.272	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	133938	52.854	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	109155	57.755	ug/l	90
28) Bromochloromethane	7.434	49	61434	50.372	ug/l #	80
29) Tetrahydrofuran	7.446	42	70549	291.436	ug/l	86
30) Chloroform	7.599	83	171070	56.632	ug/l	100
31) Cyclohexane	7.881	56	134010	49.562	ug/l	93
32) 1,1,1-Trichloroethane	7.799	97	142532	53.524	ug/l	98
36) 1,1-Dichloropropene	8.010	75	131123	51.819	ug/l	96
37) Ethyl Acetate	7.169	43	48083	48.734	ug/l	95
38) Carbon Tetrachloride	7.993	117	129601	51.375	ug/l	95
39) Methylcyclohexane	9.275	83	160903	53.639	ug/l	93
40) Benzene	8.251	78	395042	55.006	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	30782	61.383	ug/l #	82
42) 1,2-Dichloroethane	8.328	62	103579	55.639	ug/l	93
43) Isopropyl Acetate	8.363	43	96211	54.855	ug/l #	90
44) Trichloroethene	9.034	130	99873	53.364	ug/l	95
45) 1,2-Dichloropropane	9.304	63	97321	55.744	ug/l	100
46) Dibromomethane	9.398	93	52326	56.645	ug/l	92
47) Bromodichloromethane	9.587	83	128266	54.781	ug/l	97
48) Methyl methacrylate	9.381	41	56141	56.310	ug/l #	77
49) 1,4-Dioxane	9.381	88	9525	1038.412	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	246065	274.895	ug/l	90
52) Toluene	10.334	92	252195	56.611	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	131219	58.360	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	153166	56.343	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	70959	56.158	ug/l	95
56) Ethyl methacrylate	10.598	69	63387	56.907	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	123067	56.504	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	175783	276.731	ug/l	93
59) 2-Hexanone	10.922	43	177721	239.311	ug/l	90
60) Dibromochloromethane	11.075	129	84777	55.727	ug/l	91
61) 1,2-Dibromoethane	11.181	107	68173	57.316	ug/l	99
64) Tetrachloroethene	10.810	164	84488	52.620	ug/l	98
65) Chlorobenzene	11.610	112	265154	51.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	97532	53.689	ug/l	95
67) Ethyl Benzene	11.687	91	479290	52.699	ug/l	99
68) m/p-Xylenes	11.792	106	371186	106.697	ug/l	91
69) o-Xylene	12.122	106	172769	53.886	ug/l	91
70) Styrene	12.139	104	265296	55.647	ug/l	94
71) Bromoform	12.298	173	51442	54.196	ug/l #	100
73) Isopropylbenzene	12.422	105	459624	52.183	ug/l	96
74) N-amyl acetate	12.234	43	86501	49.961	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	80400	52.352	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	58053m	57.517	ug/l	
77) Bromobenzene	12.704	156	107116	51.703	ug/l	91
78) n-propylbenzene	12.763	91	563021	52.458	ug/l	97
79) 2-Chlorotoluene	12.851	91	299892	52.139	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	386139	52.564	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26950	54.099	ug/l	94
82) 4-Chlorotoluene	12.945	91	324336	53.939	ug/l	94
83) tert-Butylbenzene	13.169	119	329453	53.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	398719	54.266	ug/l	96
85) sec-Butylbenzene	13.345	105	492448	53.718	ug/l	96
86) p-Isopropyltoluene	13.463	119	448810	54.682	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	223821	52.829	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	218235	51.660	ug/l	99
89) n-Butylbenzene	13.786	91	419080	54.263	ug/l	99
90) Hexachloroethane	14.051	117	83006	54.991	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	186552	51.774	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	11878	53.460	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	123719	50.268	ug/l	99
94) Hexachlorobutadiene	15.204	225	69604	52.445	ug/l	99
95) Naphthalene	15.333	128	222081	54.308	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	103710	51.113	ug/l	97

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

