

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080823\
 Data File : VD076950.D
 Acq On : 08 Aug 2023 13:07
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2023
 Supervised By :Mahesh Dadoda 08/09/2023

Quant Time: Aug 09 05:39:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 05:34:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	169790	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	316871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	137521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17251	12.880	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	25.760%#		
35) Dibromofluoromethane	7.805	113	19904	11.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.360%#		
50) Toluene-d8	10.269	98	63530	11.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	23.220%#		
62) 4-Bromofluorobenzene	12.575	95	21682	11.335	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	22.680%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	12003	11.157	ug/l	91
3) Chloromethane	2.146	50	16944	11.764	ug/l	96
4) Vinyl Chloride	2.275	62	24366	11.481	ug/l	99
5) Bromomethane	2.681	94	21853	11.385	ug/l	97
6) Chloroethane	2.828	64	19957	11.446	ug/l	94
7) Trichlorofluoromethane	3.169	101	26809	11.596	ug/l	94
8) Diethyl Ether	3.593	74	8678	11.665	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.975	101	17819	11.254	ug/l	96
10) Methyl Iodide	4.158	142	16253	10.659	ug/l	93
11) Tert butyl alcohol	5.058	59	6174	49.643	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	14737	11.341	ug/l	88
13) Acrolein	3.793	56	3403	58.764	ug/l	97
14) Allyl chloride	4.564	41	17286	10.832	ug/l	94
15) Acrylonitrile	5.252	53	20670	55.876	ug/l	96
16) Acetone	4.028	43	18932	55.476	ug/l	90
17) Carbon Disulfide	4.269	76	23551	10.707	ug/l	100
18) Methyl Acetate	4.558	43	14546	11.630	ug/l	93
19) Methyl tert-butyl Ether	5.328	73	40869	11.142	ug/l	95
20) Methylene Chloride	4.793	84	40766	10.736	ug/l #	89
21) trans-1,2-Dichloroethene	5.311	96	16807	11.323	ug/l	98
22) Diisopropyl ether	6.216	45	47682	11.437	ug/l	93
23) Vinyl Acetate	6.158	43	105048m	53.725	ug/l	
24) 1,1-Dichloroethane	6.105	63	33458	11.228	ug/l #	94
25) 2-Butanone	7.087	43	26700	59.596	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	31526	11.653	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	23859	11.714	ug/l	96
28) Bromochloromethane	7.428	49	15490	10.877	ug/l	91
29) Tetrahydrofuran	7.446	42	14777	59.066	ug/l	89
30) Chloroform	7.593	83	40063	11.784	ug/l	94
31) Cyclohexane	7.875	56	21739	10.900	ug/l #	86
32) 1,1,1-Trichloroethane	7.787	97	31353	11.237	ug/l	99
36) 1,1-Dichloropropene	8.005	75	22302	10.587	ug/l	96
37) Ethyl Acetate	7.163	43	11163	11.484	ug/l #	72
38) Carbon Tetrachloride	7.981	117	24426	10.834	ug/l	85
39) Methylcyclohexane	9.275	83	22341	10.010	ug/l	94
40) Benzene	8.252	78	72774	10.744	ug/l	98

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41) Methacrylonitrile	7.416	41	5321m	10.145	ug/l	
42) 1,2-Dichloroethane	8.322	62	20341	11.141	ug/l	100
43) Isopropyl Acetate	8.357	43	19743	10.808	ug/l	94
44) Trichloroethene	9.028	130	20310	10.861	ug/l	88
45) 1,2-Dichloropropane	9.304	63	20235	11.085	ug/l	96
46) Dibromomethane	9.393	93	11740	10.763	ug/l	94
47) Bromodichloromethane	9.581	83	31493	11.255	ug/l	97
48) Methyl methacrylate	9.387	41	8755	10.900	ug/l #	75
49) 1,4-Dioxane	9.381	88	2623	205.739	ug/l #	88
51) 4-Methyl-2-Pentanone	10.163	43	53943	53.500	ug/l	91
52) Toluene	10.334	92	46794	10.519	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	26230	10.745	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	30679	10.836	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	16919	10.452	ug/l	94
56) Ethyl methacrylate	10.598	69	17247	10.280	ug/l #	88
57) 1,3-Dichloropropane	10.875	76	27589	10.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	35346	56.042	ug/l	95
59) 2-Hexanone	10.922	43	35673	51.976	ug/l	93
60) Dibromochloromethane	11.075	129	21075	10.795	ug/l	90
61) 1,2-Dibromoethane	11.187	107	16157	11.224	ug/l	93
64) Tetrachloroethene	10.816	164	15525	10.453	ug/l	95
65) Chlorobenzene	11.610	112	57074	10.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	22722	11.032	ug/l	97
67) Ethyl Benzene	11.687	91	90293	10.253	ug/l	95
68) m/p-Xylenes	11.793	106	71510	20.908	ug/l	94
69) o-Xylene	12.122	106	34271	10.448	ug/l	94
70) Styrene	12.134	104	60378	10.325	ug/l	97
71) Bromoform	12.298	173	12477	10.927	ug/l #	99
73) Isopropylbenzene	12.422	105	89760	10.372	ug/l	97
74) N-amyl acetate	12.234	43	18366	10.652	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	22192	11.638	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	14806m	11.477	ug/l	
77) Bromobenzene	12.698	156	22785	10.820	ug/l	92
78) n-propylbenzene	12.763	91	110707	10.516	ug/l	98
79) 2-Chlorotoluene	12.851	91	61945	10.703	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	74024	10.538	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	6077	11.067	ug/l	97
82) 4-Chlorotoluene	12.951	91	65004	10.731	ug/l	94
83) tert-Butylbenzene	13.169	119	67553	10.488	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	76235	10.651	ug/l	93
85) sec-Butylbenzene	13.345	105	103918	10.680	ug/l	98
86) p-Isopropyltoluene	13.463	119	83267	10.361	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	47118	10.787	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	48845	11.216	ug/l	95
89) n-Butylbenzene	13.787	91	78854	10.300	ug/l	100
90) Hexachloroethane	14.051	117	18403	11.332	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	43632	11.235	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2797	10.788	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	25169	10.479	ug/l	99
94) Hexachlorobutadiene	15.210	225	13185	10.973	ug/l	97
95) Naphthalene	15.334	128	49073	10.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	21975	10.261	ug/l	92

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

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