

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077124.D
 Acq On : 18 Sep 2023 12:14
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 19 03:50:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 03:32:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	252542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	419096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	400127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	212205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	247418	97.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 194.160%#	
35) Dibromofluoromethane	7.805	113	286098	98.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 196.560%#	
50) Toluene-d8	10.269	98	1069760	103.244	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 206.480%#	
62) 4-Bromofluorobenzene	12.575	95	330186	102.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 205.620%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	222643	85.310	ug/l	98
3) Chloromethane	2.146	50	435587	90.290	ug/l	99
4) Vinyl Chloride	2.281	62	469499	90.978	ug/l	100
5) Bromomethane	2.681	94	356933	94.965	ug/l	99
6) Chloroethane	2.828	64	310587	96.723	ug/l	98
7) Trichlorofluoromethane	3.170	101	484583	103.889	ug/l	98
8) Diethyl Ether	3.587	74	153068	101.676	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	271514	93.104	ug/l	98
10) Methyl Iodide	4.158	142	422196	101.290	ug/l	93
11) Tert butyl alcohol	5.046	59	74129	510.129	ug/l	100
12) 1,1-Dichloroethene	3.934	96	287202	97.760	ug/l	94
13) Acrolein	3.793	56	45958	503.498	ug/l	97
14) Allyl chloride	4.558	41	370717	103.429	ug/l	94
15) Acrylonitrile	5.246	53	324902	514.681	ug/l	99
16) Acetone	4.017	43	285722	490.503	ug/l	# 83
17) Carbon Disulfide	4.264	76	918157	94.937	ug/l	98
18) Methyl Acetate	4.558	43	223203	101.332	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	684824	107.728	ug/l	100
20) Methylene Chloride	4.793	84	354286	100.441	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	353433	99.523	ug/l	98
22) Diisopropyl ether	6.216	45	843005	104.026	ug/l	96
23) Vinyl Acetate	6.152	43	1804686m	551.462	ug/l	
24) 1,1-Dichloroethane	6.111	63	561862	96.600	ug/l	97
25) 2-Butanone	7.081	43	404014	527.192	ug/l	88
26) 2,2-Dichloropropane	7.075	77	495020	100.265	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	405168	101.489	ug/l	98
28) Bromochloromethane	7.422	49	172437	96.547	ug/l	90
29) Tetrahydrofuran	7.440	42	238965	533.404	ug/l	90
30) Chloroform	7.593	83	610246	97.352	ug/l	94
31) Cyclohexane	7.875	56	418379	93.831	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	514142	98.261	ug/l	97
36) 1,1-Dichloropropene	8.005	75	446882	101.935	ug/l	98
37) Ethyl Acetate	7.163	43	175334	104.242	ug/l	95
38) Carbon Tetrachloride	7.987	117	434134	100.754	ug/l	99
39) Methylcyclohexane	9.275	83	521485	103.383	ug/l	94
40) Benzene	8.252	78	1379266	101.688	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	98729	109.973	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	335386	99.733	ug/l	99
43) Isopropyl Acetate	8.357	43	330778	106.811	ug/l	93
44) Trichloroethene	9.028	130	368324	98.113	ug/l	95
45) 1,2-Dichloropropane	9.304	63	333505	101.232	ug/l	98
46) Dibromomethane	9.393	93	193069	100.851	ug/l	97
47) Bromodichloromethane	9.587	83	466679	100.876	ug/l	97
48) Methyl methacrylate	9.381	41	156053	110.751	ug/l	84
49) 1,4-Dioxane	9.387	88	38487	2227.215	ug/l #	96
51) 4-Methyl-2-Pentanone	10.157	43	881591	544.320	ug/l	94
52) Toluene	10.334	92	910968	104.985	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	459490	106.313	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	546580	105.554	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	260763	100.147	ug/l	96
56) Ethyl methacrylate	10.599	69	319998	114.392	ug/l	94
57) 1,3-Dichloropropane	10.881	76	439656	104.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	782477	503.571	ug/l	99
59) 2-Hexanone	10.922	43	642102	552.549	ug/l	92
60) Dibromochloromethane	11.075	129	324404	101.720	ug/l	95
61) 1,2-Dibromoethane	11.181	107	255991	101.697	ug/l	99
64) Tetrachloroethene	10.810	164	306746	98.532	ug/l	95
65) Chlorobenzene	11.610	112	955852	101.549	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	359682	104.449	ug/l	96
67) Ethyl Benzene	11.687	91	1745075	107.860	ug/l	99
68) m/p-Xylenes	11.793	106	1383588	213.583	ug/l	92
69) o-Xylene	12.122	106	647233	108.855	ug/l	92
70) Styrene	12.134	104	1128733	111.426	ug/l	98
71) Bromoform	12.298	173	195379	102.355	ug/l #	99
73) Isopropylbenzene	12.422	105	1641542	104.691	ug/l	96
74) N-amyl acetate	12.234	43	319947	108.626	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	294069	99.381	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	163774m	93.494	ug/l	
77) Bromobenzene	12.704	156	394698	101.094	ug/l	96
78) n-propylbenzene	12.763	91	1992102	103.940	ug/l	97
79) 2-Chlorotoluene	12.851	91	1084390	102.601	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	1377810	105.216	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	97906	109.479	ug/l	98
82) 4-Chlorotoluene	12.945	91	1139257	102.562	ug/l	97
83) tert-Butylbenzene	13.169	119	1165892	104.211	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	1416008	106.639	ug/l	96
85) sec-Butylbenzene	13.345	105	1755400	104.562	ug/l	97
86) p-Isopropyltoluene	13.463	119	1535175	107.792	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	808968	100.751	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	797520	100.951	ug/l	99
89) n-Butylbenzene	13.787	91	1406922	107.087	ug/l	99
90) Hexachloroethane	14.057	117	276695	97.963	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	688603	100.024	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	41018	103.814	ug/l	92
93) 1,2,4-Trichlorobenzene	15.104	180	467066	109.968	ug/l	98
94) Hexachlorobutadiene	15.204	225	225761	100.306	ug/l	100
95) Naphthalene	15.334	128	866748	111.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	403293	106.827	ug/l	99

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

