

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078039.D
 Acq On : 21 Dec 2023 22:02
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05007

Quant Time: Dec 22 05:40:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	110377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	192634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	179180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69870	53.720	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.440%			
35) Dibromofluoromethane	7.804	113	75971	56.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.600%			
50) Toluene-d8	10.269	98	297907	55.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.575	95	89480	55.380	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61910	44.902	ug/l	97
3) Chloromethane	2.152	50	101699	54.113	ug/l	98
4) Vinyl Chloride	2.287	62	146815	57.543	ug/l	96
5) Bromomethane	2.699	94	117708	82.219	ug/l	100
6) Chloroethane	2.840	64	110276	63.397	ug/l	97
7) Trichlorofluoromethane	3.187	101	121659	51.774	ug/l	97
8) Diethyl Ether	3.599	74	38670	58.606	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	72860	54.200	ug/l	98
10) Methyl Iodide	4.175	142	90652	73.310	ug/l	93
11) Tert butyl alcohol	5.045	59	16175	258.638	ug/l #	91
12) 1,1-Dichloroethene	3.951	96	73764	55.597	ug/l	90
13) Acrolein	3.793	56	29424	213.863	ug/l	97
14) Allyl chloride	4.575	41	96033	52.628	ug/l	93
15) Acrylonitrile	5.257	53	79920	282.893	ug/l	94
16) Acetone	4.022	43	70982	252.887	ug/l #	85
17) Carbon Disulfide	4.275	76	204227	45.498	ug/l	98
18) Methyl Acetate	4.569	43	66492	64.913	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	172270	61.198	ug/l	96
20) Methylene Chloride	4.810	84	96799	64.222	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	89411	59.497	ug/l	94
22) Diisopropyl ether	6.222	45	215938	56.628	ug/l	98
23) Vinyl Acetate	6.163	43	469159	251.943	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	154184	59.707	ug/l	97
25) 2-Butanone	7.087	43	94388	264.900	ug/l #	87
26) 2,2-Dichloropropane	7.081	77	123390	56.911	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	103141	63.784	ug/l	94
28) Bromochloromethane	7.428	49	58758	56.310	ug/l	83
29) Tetrahydrofuran	7.451	42	55128	266.173	ug/l	94
30) Chloroform	7.604	83	163932	63.430	ug/l	93
31) Cyclohexane	7.881	56	106584	46.072	ug/l	96
32) 1,1,1-Trichloroethane	7.798	97	135571	59.504	ug/l	98
36) 1,1-Dichloropropene	8.010	75	116619	54.032	ug/l	96
37) Ethyl Acetate	7.169	43	38538	45.792	ug/l	95
38) Carbon Tetrachloride	7.992	117	117278	54.504	ug/l	97
39) Methylcyclohexane	9.275	83	129871	50.757	ug/l	97
40) Benzene	8.257	78	356857	58.255	ug/l	100

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41) Methacrylonitrile	7.398	41	21734	50.811	ug/l #	87
42) 1,2-Dichloroethane	8.328	62	94203	59.326	ug/l	97
43) Isopropyl Acetate	8.363	43	79634	53.231	ug/l	95
44) Trichloroethene	9.028	130	93731	58.715	ug/l	93
45) 1,2-Dichloropropane	9.304	63	89707	60.240	ug/l	95
46) Dibromomethane	9.398	93	49508	62.832	ug/l	93
47) Bromodichloromethane	9.586	83	124359	62.268	ug/l	96
48) Methyl methacrylate	9.381	41	43556	51.218	ug/l #	83
49) 1,4-Dioxane	9.386	88	8510	1087.682	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	207371	271.602	ug/l	93
52) Toluene	10.333	92	230288	60.604	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	115883	60.423	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	138469	59.717	ug/l #	91
55) 1,1,2-Trichloroethane	10.733	97	66498	61.699	ug/l	97
56) Ethyl methacrylate	10.598	69	57245	60.252	ug/l	92
57) 1,3-Dichloropropane	10.880	76	115661	62.257	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	125127	230.941	ug/l	95
59) 2-Hexanone	10.922	43	148286	234.095	ug/l	90
60) Dibromochloromethane	11.075	129	85619	65.982	ug/l	95
61) 1,2-Dibromoethane	11.180	107	63841	62.926	ug/l	99
64) Tetrachloroethene	10.810	164	77895	59.148	ug/l	94
65) Chlorobenzene	11.610	112	245388	58.408	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.680	131	93986	63.078	ug/l	97
67) Ethyl Benzene	11.686	91	446222	59.817	ug/l	99
68) m/p-Xylenes	11.792	106	351835	123.303	ug/l	93
69) o-Xylene	12.122	106	163834	62.300	ug/l	95
70) Styrene	12.133	104	248738	63.610	ug/l	95
71) Bromoform	12.298	173	49255	63.266	ug/l #	99
73) Isopropylbenzene	12.422	105	434226	58.293	ug/l	96
74) N-amyl acetate	12.233	43	69581	47.519	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	76559	58.944	ug/l	99
76) 1,2,3-Trichloropropane	12.727	75	52238m	61.197	ug/l	
77) Bromobenzene	12.698	156	102278	58.374	ug/l	93
78) n-propylbenzene	12.763	91	524451	57.779	ug/l	96
79) 2-Chlorotoluene	12.851	91	285600	58.712	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	362283	58.312	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	23311	55.330	ug/l	95
82) 4-Chlorotoluene	12.945	91	299973	58.987	ug/l	98
83) tert-Butylbenzene	13.169	119	318354	60.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	370497	59.623	ug/l	97
85) sec-Butylbenzene	13.345	105	455555	58.759	ug/l	96
86) p-Isopropyltoluene	13.457	119	415357	59.837	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	216668	60.470	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	207680	58.337	ug/l	98
89) n-Butylbenzene	13.786	91	374853	57.391	ug/l	99
90) Hexachloroethane	14.051	117	81474	63.822	ug/l	94
91) 1,2-Dichlorobenzene	13.833	146	180446	59.215	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	10979	58.520	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	114635	55.074	ug/l	96
94) Hexachlorobutadiene	15.198	225	60030	53.482	ug/l	99
95) Naphthalene	15.327	128	206363	59.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	97792	56.988	ug/l	98

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

