

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077435.D
 Acq On : 26 Oct 2023 18:58
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05007

Quant Time: Oct 27 07:49:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	230894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	454460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	376598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	200964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102956	49.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.880%		
35) Dibromofluoromethane	7.805	113	122631	38.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.820%		
50) Toluene-d8	10.269	98	482999	42.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.480%		
62) 4-Bromofluorobenzene	12.575	95	136157	41.367	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	96989	45.183	ug/l	99
3) Chloromethane	2.146	50	184646	42.241	ug/l	97
4) Vinyl Chloride	2.281	62	232145	44.959	ug/l	99
5) Bromomethane	2.687	94	157986	47.612	ug/l	98
6) Chloroethane	2.834	64	169590	46.720	ug/l	99
7) Trichlorofluoromethane	3.169	101	209261	39.950	ug/l	99
8) Diethyl Ether	3.593	74	53395	38.033	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	114833	42.374	ug/l	99
10) Methyl Iodide	4.158	142	144659	43.626	ug/l	92
11) Tert butyl alcohol	5.046	59	25571	220.476	ug/l	98
12) 1,1-Dichloroethene	3.940	96	107600	40.474	ug/l	97
13) Acrolein	3.793	56	49506	245.893	ug/l	99
14) Allyl chloride	4.558	41	115658	45.852	ug/l	99
15) Acrylonitrile	5.252	53	114953	270.195	ug/l	100
16) Acetone	4.016	43	98605	218.097	ug/l	91
17) Carbon Disulfide	4.269	76	312388	39.972	ug/l	99
18) Methyl Acetate	4.564	43	80042	50.868	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	237129	52.368	ug/l	96
20) Methylene Chloride	4.799	84	167483	62.388	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	128815	46.587	ug/l	98
22) Diisopropyl ether	6.210	45	279611	56.469	ug/l	98
23) Vinyl Acetate	6.158	43	648677	279.543	ug/l	98
24) 1,1-Dichloroethane	6.110	63	207403	50.378	ug/l	100
25) 2-Butanone	7.081	43	125976	268.609	ug/l	97
26) 2,2-Dichloropropane	7.075	77	181008	48.219	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	149940	48.362	ug/l	96
28) Bromochloromethane	7.422	49	76410	50.809	ug/l	100
29) Tetrahydrofuran	7.440	42	75019	277.294	ug/l	98
30) Chloroform	7.593	83	236390	50.045	ug/l	97
31) Cyclohexane	7.875	56	149535	46.616	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	200188	49.125	ug/l	96
36) 1,1-Dichloropropene	8.010	75	167861	40.012	ug/l	99
37) Ethyl Acetate	7.163	43	56879	43.162	ug/l	99
38) Carbon Tetrachloride	7.987	117	178194	38.182	ug/l	98
39) Methylcyclohexane	9.275	83	225466	44.230	ug/l	97
40) Benzene	8.252	78	523980	41.157	ug/l	100

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 Supervised By :Semsettin Yesilyurt 10/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	29346	46.661	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	125225	41.759	ug/l	99
43) Isopropyl Acetate	8.357	43	104657	44.115	ug/l	98
44) Trichloroethene	9.028	130	178210	47.877	ug/l	96
45) 1,2-Dichloropropane	9.304	63	142803	48.659	ug/l	100
46) Dibromomethane	9.393	93	83306	45.404	ug/l	98
47) Bromodichloromethane	9.581	83	194083	44.362	ug/l	98
48) Methyl methacrylate	9.381	41	53388	49.745	ug/l	91
49) 1,4-Dioxane	9.381	88	17174	954.614	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	293971	247.194	ug/l	99
52) Toluene	10.334	92	342203	41.167	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	165716	42.198	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	218900	45.558	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	108191	42.575	ug/l	96
56) Ethyl methacrylate	10.598	69	108758	44.782	ug/l	97
57) 1,3-Dichloropropane	10.881	76	165957	42.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	293565	244.433	ug/l	98
59) 2-Hexanone	10.922	43	198035	231.857	ug/l	95
60) Dibromochloromethane	11.075	129	130291	40.153	ug/l	99
61) 1,2-Dibromoethane	11.181	107	100951	42.158	ug/l	99
64) Tetrachloroethene	10.810	164	122157	43.641	ug/l	97
65) Chlorobenzene	11.610	112	371854	45.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	140873	45.146	ug/l	97
67) Ethyl Benzene	11.687	91	634519	46.630	ug/l	98
68) m/p-Xylenes	11.793	106	524233	93.818	ug/l	97
69) o-Xylene	12.122	106	246214	47.865	ug/l	97
70) Styrene	12.134	104	431300	49.144	ug/l	100
71) Bromoform	12.298	173	76699	44.839	ug/l #	100
73) Isopropylbenzene	12.422	105	633697	47.673	ug/l	96
74) N-amyl acetate	12.234	43	99418	51.990	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	117930	48.822	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	104425m	38.918	ug/l	
77) Bromobenzene	12.698	156	155473	44.551	ug/l	100
78) n-propylbenzene	12.763	91	762865	47.653	ug/l	98
79) 2-Chlorotoluene	12.851	91	414357	47.520	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	526622	48.009	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	38053	50.738	ug/l	97
82) 4-Chlorotoluene	12.945	91	433243	47.724	ug/l	99
83) tert-Butylbenzene	13.169	119	469817	48.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	538627	48.770	ug/l	96
85) sec-Butylbenzene	13.345	105	707909	48.372	ug/l	98
86) p-Isopropyltoluene	13.457	119	604903	47.579	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	333198	45.369	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	327587	45.012	ug/l	99
89) n-Butylbenzene	13.787	91	541148	48.882	ug/l	100
90) Hexachloroethane	14.051	117	119399	46.460	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	282815	45.587	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15531	52.531	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	174099	45.040	ug/l	98
94) Hexachlorobutadiene	15.204	225	94474	43.035	ug/l	99
95) Naphthalene	15.334	128	311523	47.733	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	159644	47.583	ug/l	99

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

