

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080823\
 Data File : VD076956.D
 Acq On : 08 Aug 2023 16:08
 Operator : KP/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080823

Quant Time: Aug 09 05:44:24 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	195453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	359831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72084	46.752	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.500%		
35) Dibromofluoromethane	7.799	113	86209	44.564	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.120%		
50) Toluene-d8	10.269	98	274048	44.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.220%		
62) 4-Bromofluorobenzene	12.575	95	100079	46.074	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	46798	46.072	ug/l	99
3) Chloromethane	2.146	50	76033	45.858	ug/l	95
4) Vinyl Chloride	2.281	62	107792	44.121	ug/l	100
5) Bromomethane	2.687	94	100020	45.265	ug/l	99
6) Chloroethane	2.828	64	87094	43.392	ug/l	93
7) Trichlorofluoromethane	3.164	101	117679	44.216	ug/l	95
8) Diethyl Ether	3.587	74	42143	49.212	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	78256	42.937	ug/l	98
10) Methyl Iodide	4.158	142	79024	45.021	ug/l	93
11) Tert butyl alcohol	5.064	59	26602	259.829	ug/l	96
12) 1,1-Dichloroethene	3.934	96	68058	45.498	ug/l	92
13) Acrolein	3.793	56	8099	233.019	ug/l	95
14) Allyl chloride	4.558	41	87233	47.484	ug/l	94
15) Acrylonitrile	5.252	53	103769	243.682	ug/l	99
16) Acetone	4.022	43	89764	283.122	ug/l	92
17) Carbon Disulfide	4.264	76	123037	48.591	ug/l	95
18) Methyl Acetate	4.558	43	66886	46.457	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	205395	48.645	ug/l	99
20) Methylene Chloride	4.799	84	110103	49.361	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	81983	47.981	ug/l	90
22) Diisopropyl ether	6.211	45	240486	50.110	ug/l	96
23) Vinyl Acetate	6.152	43	567613m	252.182	ug/l	
24) 1,1-Dichloroethane	6.111	63	159317	46.445	ug/l	97
25) 2-Butanone	7.075	43	122506	237.537	ug/l	93
26) 2,2-Dichloropropane	7.075	77	142154	45.644	ug/l	95
27) cis-1,2-Dichloroethene	7.069	96	112228	47.867	ug/l	98
28) Bromochloromethane	7.422	49	84180	51.347	ug/l	92
29) Tetrahydrofuran	7.440	42	69686	241.973	ug/l	94
30) Chloroform	7.593	83	188156	48.079	ug/l	97
31) Cyclohexane	7.875	56	90113	48.796	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	148284	46.169	ug/l	98
36) 1,1-Dichloropropene	8.010	75	108732	45.453	ug/l	98
37) Ethyl Acetate	7.169	43	50947	46.154	ug/l	94
38) Carbon Tetrachloride	7.987	117	115396	45.071	ug/l	95
39) Methylcyclohexane	9.269	83	114437	45.152	ug/l	98
40) Benzene	8.246	78	354793	46.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	30348	50.951	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	100981	48.703	ug/l	97
43) Isopropyl Acetate	8.357	43	98163	47.323	ug/l	93
44) Trichloroethene	9.028	130	95497	44.969	ug/l	96
45) 1,2-Dichloropropane	9.304	63	98292	47.419	ug/l	98
46) Dibromomethane	9.393	93	57336	46.289	ug/l	91
47) Bromodichloromethane	9.587	83	147047	46.279	ug/l	93
48) Methyl methacrylate	9.381	41	42102	46.158	ug/l #	86
49) 1,4-Dioxane	9.387	88	12621	871.756	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	269237	235.146	ug/l	95
52) Toluene	10.334	92	234046	46.331	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	133300	48.089	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	155959	48.511	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	84694	46.075	ug/l	96
56) Ethyl methacrylate	10.599	69	91137	47.835	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	129772	45.442	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	160285	223.796	ug/l	99
59) 2-Hexanone	10.922	43	191737	246.009	ug/l	93
60) Dibromochloromethane	11.075	129	102770	46.358	ug/l	94
61) 1,2-Dibromoethane	11.181	107	76081	46.542	ug/l	99
64) Tetrachloroethene	10.810	164	72369	43.108	ug/l	93
65) Chlorobenzene	11.610	112	273919	46.426	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	107947	46.365	ug/l	96
67) Ethyl Benzene	11.687	91	465888	46.803	ug/l	98
68) m/p-Xylenes	11.793	106	364956	94.400	ug/l	93
69) o-Xylene	12.122	106	175788	47.413	ug/l	94
70) Styrene	12.134	104	318154	48.135	ug/l	99
71) Bromoform	12.298	173	60288	46.709	ug/l #	99
73) Isopropylbenzene	12.422	105	465854	45.465	ug/l	95
74) N-amyl acetate	12.234	43	93881	45.988	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	100760	44.628	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	65766m	43.055	ug/l	
77) Bromobenzene	12.704	156	113200	45.403	ug/l	91
78) n-propylbenzene	12.763	91	570141	45.742	ug/l	97
79) 2-Chlorotoluene	12.851	91	314958	45.961	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	387388	46.578	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	29636	45.583	ug/l	97
82) 4-Chlorotoluene	12.945	91	319122	44.495	ug/l	98
83) tert-Butylbenzene	13.169	119	345692	45.329	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	392414	46.305	ug/l	95
85) sec-Butylbenzene	13.345	105	517628	44.929	ug/l	96
86) p-Isopropyltoluene	13.463	119	435792	45.797	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	237883	45.996	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	233916	45.367	ug/l	98
89) n-Butylbenzene	13.787	91	409308	45.157	ug/l	98
90) Hexachloroethane	14.057	117	87342	45.423	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	207228	45.068	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13791	44.925	ug/l	99
93) 1,2,4-Trichlorobenzene	15.104	180	132382	46.549	ug/l	96
94) Hexachlorobutadiene	15.204	225	61686	43.357	ug/l	99
95) Naphthalene	15.334	128	266310	46.042	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	118420	46.703	ug/l	97

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

