

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080823\
 Data File : VD076952.D
 Acq On : 08 Aug 2023 14:02
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/21/2023
 Supervised By : Mahesh Dadoda 08/21/2023

Quant Time: Aug 09 05:41:20 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	188769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	348844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	322353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69142	46.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.860%		
35) Dibromofluoromethane	7.804	113	86373	46.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.100%		
50) Toluene-d8	10.269	98	270483	44.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.800%		
62) 4-Bromofluorobenzene	12.575	95	96625	45.885	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	46961	48.004	ug/l	99
3) Chloromethane	2.146	50	76688	47.891	ug/l	96
4) Vinyl Chloride	2.275	62	109948	46.597	ug/l	95
5) Bromomethane	2.681	94	91775	43.004	ug/l	99
6) Chloroethane	2.828	64	88629	45.720	ug/l	99
7) Trichlorofluoromethane	3.169	101	113103	44.002	ug/l	96
8) Diethyl Ether	3.587	74	38509	46.560	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	77284	43.905	ug/l	97
10) Methyl Iodide	4.157	142	86315	50.916	ug/l	91
11) Tert butyl alcohol	5.063	59	24838	250.292	ug/l	99
12) 1,1-Dichloroethene	3.940	96	65787	45.537	ug/l	88
13) Acrolein	3.793	56	7434	217.499	ug/l	96
14) Allyl chloride	4.557	41	84744	47.763	ug/l	92
15) Acrylonitrile	5.251	53	96232	233.984	ug/l	100
16) Acetone	4.016	43	74563	238.558	ug/l	93
17) Carbon Disulfide	4.269	76	120598	49.314	ug/l	99
18) Methyl Acetate	4.557	43	64610	46.465	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	194110	47.600	ug/l	99
20) Methylene Chloride	4.798	84	105032	48.523	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	76156	46.149	ug/l	99
22) Diisopropyl ether	6.216	45	227713	49.129	ug/l	97
23) Vinyl Acetate	6.157	43	537249	247.143	ug/l	96
24) 1,1-Dichloroethane	6.110	63	156514	47.243	ug/l	97
25) 2-Butanone	7.081	43	110759	222.364	ug/l	97
26) 2,2-Dichloropropane	7.075	77	133713	44.453	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	106769	47.151	ug/l	99
28) Bromochloromethane	7.422	49	77486	48.938	ug/l	91
29) Tetrahydrofuran	7.445	42	65838	236.706	ug/l	93
30) Chloroform	7.598	83	180170	47.668	ug/l	94
31) Cyclohexane	7.875	56	87821	49.272	ug/l	88
32) 1,1,1-Trichloroethane	7.787	97	142017	45.783	ug/l	99
36) 1,1-Dichloropropene	8.010	75	108427	46.753	ug/l	96
37) Ethyl Acetate	7.163	43	45764	42.765	ug/l	98
38) Carbon Tetrachloride	7.992	117	110572	44.547	ug/l	95
39) Methylcyclohexane	9.269	83	112532	45.799	ug/l	98
40) Benzene	8.251	78	348543	46.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	26830	46.464	ug/l #	94
42) 1,2-Dichloroethane	8.328	62	93754	46.642	ug/l	97
43) Isopropyl Acetate	8.363	43	92045	45.772	ug/l	95
44) Trichloroethene	9.028	130	92784	45.068	ug/l	93
45) 1,2-Dichloropropane	9.304	63	89761	44.667	ug/l	97
46) Dibromomethane	9.392	93	54312	45.229	ug/l	91
47) Bromodichloromethane	9.581	83	138469	44.952	ug/l	95
48) Methyl methacrylate	9.381	41	43701	49.420	ug/l	83
49) 1,4-Dioxane	9.381	88	12386	882.470	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	251835	226.875	ug/l	94
52) Toluene	10.333	92	229523	46.866	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	124432	46.303	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	143037	45.893	ug/l #	95
55) 1,1,2-Trichloroethane	10.733	97	81374	45.663	ug/l	95
56) Ethyl methacrylate	10.598	69	87034	47.121	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	125743	45.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	146654	211.213	ug/l	99
59) 2-Hexanone	10.922	43	174079	230.387	ug/l	94
60) Dibromochloromethane	11.075	129	99884	46.475	ug/l	98
61) 1,2-Dibromoethane	11.181	107	72576	45.797	ug/l	98
64) Tetrachloroethene	10.810	164	74588	45.967	ug/l	94
65) Chlorobenzene	11.604	112	259606	45.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.680	131	104451	46.415	ug/l	95
67) Ethyl Benzene	11.686	91	452869	47.069	ug/l	98
68) m/p-Xylenes	11.792	106	354522	94.873	ug/l	93
69) o-Xylene	12.122	106	167938	46.862	ug/l	92
70) Styrene	12.133	104	312781	48.959	ug/l	99
71) Bromoform	12.298	173	56179	45.031	ug/l #	98
73) Isopropylbenzene	12.422	105	456516	47.108	ug/l	96
74) N-amyl acetate	12.233	43	88428	45.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	96110	45.009	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	74504m	51.572	ug/l	
77) Bromobenzene	12.698	156	107234	45.476	ug/l	91
78) n-propylbenzene	12.763	91	558983	47.418	ug/l	95
79) 2-Chlorotoluene	12.851	91	303087	46.765	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	372710	47.383	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	27890	45.357	ug/l	98
82) 4-Chlorotoluene	12.945	91	320569	47.259	ug/l	96
83) tert-Butylbenzene	13.169	119	337196	46.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	377069	47.045	ug/l	97
85) sec-Butylbenzene	13.345	105	503842	46.240	ug/l	96
86) p-Isopropyltoluene	13.463	119	423687	47.078	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	225163	46.033	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	222456	45.618	ug/l	98
89) n-Butylbenzene	13.786	91	399422	46.593	ug/l	98
90) Hexachloroethane	14.051	117	79877	43.922	ug/l	90
91) 1,2-Dichlorobenzene	13.833	146	199448	45.863	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12450	42.882	ug/l	91
93) 1,2,4-Trichlorobenzene	15.104	180	121564	45.196	ug/l	96
94) Hexachlorobutadiene	15.204	225	58121	43.194	ug/l	97
95) Naphthalene	15.333	128	248790	45.479	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	110593	46.117	ug/l	99

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

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