

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078076.D
 Acq On : 26 Dec 2023 11:11
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

Quant Time: Dec 27 02:07:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 02:01:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	177765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	289186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	256935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	119655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8925	5.643	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.280%#		
35) Dibromofluoromethane	7.816	113	10589	5.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.380%#		
50) Toluene-d8	10.275	98	33143	5.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	12.575	95	11281	5.355	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	9305	6.108	ug/l	97
3) Chloromethane	2.152	50	11419	5.435	ug/l	95
4) Vinyl Chloride	2.293	62	16168	5.105	ug/l	92
5) Bromomethane	2.705	94	14118	5.560	ug/l	97
6) Chloroethane	2.846	64	11963	5.140	ug/l	100
7) Trichlorofluoromethane	3.187	101	16530	5.423	ug/l	92
8) Diethyl Ether	3.599	74	5165	6.179	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	10803	5.690	ug/l #	34
10) Methyl Iodide	4.181	142	7850	4.400	ug/l	99
11) Tert butyl alcohol	5.052	59	3707m	23.011	ug/l	
12) 1,1-Dichloroethene	3.946	96	9032	5.376	ug/l	87
13) Acrolein	3.816	56	2702	32.435	ug/l	93
14) Allyl chloride	4.563	41	11871	5.846	ug/l #	85
15) Acrylonitrile	5.263	53	9773	27.951	ug/l	96
16) Acetone	4.022	43	14683	19.562	ug/l	88
17) Carbon Disulfide	4.281	76	20856	5.025	ug/l	96
18) Methyl Acetate	4.563	43	6862	5.293	ug/l	97
19) Methyl tert-butyl Ether	5.334	73	18707	5.031	ug/l #	86
20) Methylene Chloride	4.805	84	15277	5.019	ug/l #	84
21) trans-1,2-Dichloroethene	5.310	96	10617	5.498	ug/l #	85
22) Diisopropyl ether	6.228	45	22873	5.043	ug/l	97
23) Vinyl Acetate	6.157	43	44704	21.182	ug/l	94
24) 1,1-Dichloroethane	6.110	63	18348	5.466	ug/l	97
25) 2-Butanone	7.075	43	15720	26.326	ug/l #	68
26) 2,2-Dichloropropane	7.081	77	16754	5.556	ug/l	98
27) cis-1,2-Dichloroethene	7.093	96	12327	5.381	ug/l	92
28) Bromochloromethane	7.422	49	5802	4.832	ug/l #	76
29) Tetrahydrofuran	7.446	42	6834	27.911	ug/l	91
30) Chloroform	7.593	83	19610	5.391	ug/l #	81
31) Cyclohexane	7.875	56	14184	5.621	ug/l #	83
32) 1,1,1-Trichloroethane	7.787	97	16119	5.156	ug/l	98
36) 1,1-Dichloropropene	8.016	75	13355	5.101	ug/l	98
37) Ethyl Acetate	7.181	43	5573	6.400	ug/l #	86
38) Carbon Tetrachloride	7.993	117	14904	5.254	ug/l	87
39) Methylcyclohexane	9.275	83	14887	4.960	ug/l	99
40) Benzene	8.257	78	38081	5.047	ug/l #	90

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3000m	5.440	ug/l	
42) 1,2-Dichloroethane	8.334	62	10848	5.320	ug/l	99
43) Isopropyl Acetate	8.363	43	9821	5.634	ug/l #	91
44) Trichloroethene	9.028	130	11792	5.432	ug/l	95
45) 1,2-Dichloropropane	9.304	63	10518	5.501	ug/l	89
46) Dibromomethane	9.398	93	5399	5.041	ug/l	94
47) Bromodichloromethane	9.587	83	15179	5.456	ug/l #	98
48) Methyl methacrylate	9.381	41	5545	5.644	ug/l #	79
49) 1,4-Dioxane	9.381	88	1233	121.791	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	23908	26.727	ug/l	95
52) Toluene	10.334	92	23974	4.898	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	12970	5.139	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	16168	5.334	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	8237	5.466	ug/l	93
56) Ethyl methacrylate	10.592	69	6298	5.266	ug/l #	86
57) 1,3-Dichloropropane	10.881	76	13147	5.310	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	11747	22.687	ug/l	98
59) 2-Hexanone	10.922	43	19984	28.761	ug/l	90
60) Dibromochloromethane	11.075	129	9593	4.997	ug/l	91
61) 1,2-Dibromoethane	11.187	107	7623	5.276	ug/l	96
64) Tetrachloroethene	10.816	164	9022	5.197	ug/l	87
65) Chlorobenzene	11.604	112	29290	5.366	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	10271	4.971	ug/l	97
67) Ethyl Benzene	11.687	91	45373	4.768	ug/l	96
68) m/p-Xylenes	11.792	106	34421	9.294	ug/l	88
69) o-Xylene	12.122	106	16505	4.782	ug/l	95
70) Styrene	12.139	104	22481	4.411	ug/l #	89
71) Bromoform	12.298	173	5959	5.228	ug/l #	98
73) Isopropylbenzene	12.422	105	43302	5.254	ug/l	97
74) N-amyl acetate	12.234	43	7850	5.738	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	8414	5.617	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	5894m	6.097	ug/l	
77) Bromobenzene	12.698	156	10720	5.347	ug/l	85
78) n-propylbenzene	12.763	91	52695	5.312	ug/l	98
79) 2-Chlorotoluene	12.851	91	28643	5.338	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	34859	5.114	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	2807	5.992	ug/l #	85
82) 4-Chlorotoluene	12.945	91	31304	5.442	ug/l	95
83) tert-Butylbenzene	13.169	119	31852	5.216	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	36624	5.275	ug/l	99
85) sec-Butylbenzene	13.345	105	44836	5.143	ug/l	99
86) p-Isopropyltoluene	13.463	119	38592	4.947	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	21723	5.237	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	22632	5.563	ug/l	91
89) n-Butylbenzene	13.786	91	37004	5.167	ug/l	98
90) Hexachloroethane	14.057	117	8411	5.393	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	20100	5.642	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1241	5.916	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	13597	5.846	ug/l	92
94) Hexachlorobutadiene	15.204	225	7198	5.508	ug/l	95
95) Naphthalene	15.333	128	22639	5.718	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.522	180	10877	5.512	ug/l	94

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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

