

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061623\
 Data File : VD076456.D
 Acq On : 16 Jun 2023 15:34
 Operator : KP/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/19/2023
 Supervised By :Mahesh Dadoda 06/19/2023

Quant Time: Jun 19 04:26:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:23:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	174859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	296084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	272520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	122971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17384	9.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.840	%#	
35) Dibromofluoromethane	7.804	113	18499	10.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.040	%#	
50) Toluene-d8	10.269	98	70053	10.502	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.000	%#	
62) 4-Bromofluorobenzene	12.575	95	22080	10.199	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.400	%#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	13016	9.796	ug/l	92
3) Chloromethane	2.146	50	26343	9.533	ug/l	93
4) Vinyl Chloride	2.281	62	30626	9.935	ug/l	96
5) Bromomethane	2.681	94	19960	9.959	ug/l	98
6) Chloroethane	2.822	64	20953	9.917	ug/l	97
7) Trichlorofluoromethane	3.164	101	25753	10.152	ug/l	99
8) Diethyl Ether	3.593	74	9430	9.877	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.964	101	16567	10.141	ug/l #	71
10) Methyl Iodide	4.164	142	16896	8.723	ug/l #	88
11) Tert butyl alcohol	5.063	59	7136	47.176	ug/l #	94
12) 1,1-Dichloroethene	3.928	96	16363	10.227	ug/l	89
13) Acrolein	3.793	56	8554	52.502	ug/l	99
14) Allyl chloride	4.558	41	28373	9.696	ug/l #	87
15) Acrylonitrile	5.252	53	21188	43.159	ug/l	93
16) Acetone	4.016	43	20598	49.408	ug/l #	80
17) Carbon Disulfide	4.263	76	40474	9.258	ug/l #	91
18) Methyl Acetate	4.563	43	17469	9.092	ug/l #	82
19) Methyl tert-butyl Ether	5.316	73	40598	9.276	ug/l #	84
20) Methylene Chloride	4.787	84	36213	9.151	ug/l #	75
21) trans-1,2-Dichloroethene	5.305	96	17794	9.622	ug/l	88
22) Diisopropyl ether	6.210	45	61379	9.701	ug/l #	92
23) Vinyl Acetate	6.158	43	140059	45.976	ug/l #	88
24) 1,1-Dichloroethane	6.110	63	35172	9.955	ug/l	91
25) 2-Butanone	7.081	43	29494	45.741	ug/l	89
26) 2,2-Dichloropropane	7.069	77	30679	10.071	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	21281	9.508	ug/l	78
28) Bromochloromethane	7.428	49	11702	9.862	ug/l #	71
29) Tetrahydrofuran	7.440	42	18342	44.263	ug/l #	77
30) Chloroform	7.587	83	34800	9.947	ug/l	89
31) Cyclohexane	7.875	56	29667	9.816	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	28328	10.017	ug/l	99
36) 1,1-Dichloropropene	8.004	75	24320	9.873	ug/l	94
37) Ethyl Acetate	7.169	43	13550	9.493	ug/l #	71
38) Carbon Tetrachloride	7.987	117	21120	9.593	ug/l	97
39) Methylcyclohexane	9.269	83	28475	9.851	ug/l #	86
40) Benzene	8.246	78	76158	10.139	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8194	9.921	ug/l #	77
42) 1,2-Dichloroethane	8.322	62	18901	9.312	ug/l	98
43) Isopropyl Acetate	8.363	43	25136	9.302	ug/l #	84
44) Trichloroethene	9.028	130	20148	9.943	ug/l	91
45) 1,2-Dichloropropane	9.304	63	19870	9.756	ug/l	100
46) Dibromomethane	9.387	93	10618	9.732	ug/l	92
47) Bromodichloromethane	9.581	83	26066	9.984	ug/l	96
48) Methyl methacrylate	9.375	41	11733	9.473	ug/l #	70
49) 1,4-Dioxane	9.381	88	2469	188.877	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	63795	46.185	ug/l #	82
52) Toluene	10.334	92	46422	9.848	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	25959	9.798	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	31408	9.999	ug/l #	85
55) 1,1,2-Trichloroethane	10.728	97	15410	10.098	ug/l	96
56) Ethyl methacrylate	10.593	69	18841	9.455	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	25867	9.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	37407	44.279	ug/l	93
59) 2-Hexanone	10.922	43	45185	47.027	ug/l	84
60) Dibromochloromethane	11.075	129	16444	9.259	ug/l	92
61) 1,2-Dibromoethane	11.181	107	13220	9.228	ug/l	97
64) Tetrachloroethene	10.810	164	15895	9.717	ug/l	92
65) Chlorobenzene	11.610	112	51191	9.887	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	17810	9.619	ug/l	99
67) Ethyl Benzene	11.681	91	90145	9.826	ug/l	93
68) m/p-Xylenes	11.793	106	70226	19.610	ug/l	91
69) o-Xylene	12.122	106	33681	9.880	ug/l	92
70) Styrene	12.134	104	57526	9.769	ug/l	96
71) Bromoform	12.304	173	10060	9.049	ug/l #	95
73) Isopropylbenzene	12.422	105	87409	10.557	ug/l	97
74) N-amyl acetate	12.234	43	23541	9.712	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	16666	9.755	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	13309m	10.853	ug/l	
77) Bromobenzene	12.704	156	20954	10.259	ug/l	91
78) n-propylbenzene	12.763	91	106369	10.405	ug/l	98
79) 2-Chlorotoluene	12.851	91	58354	10.395	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	68872	10.186	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	5453	9.790	ug/l	95
82) 4-Chlorotoluene	12.945	91	62419	10.707	ug/l	97
83) tert-Butylbenzene	13.169	119	65320	10.873	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	69530	10.205	ug/l	100
85) sec-Butylbenzene	13.345	105	91434	10.256	ug/l	99
86) p-Isopropyltoluene	13.463	119	76050	10.209	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	40942	10.204	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	41469	10.363	ug/l	94
89) n-Butylbenzene	13.787	91	74402	10.240	ug/l	96
90) Hexachloroethane	14.057	117	14848	10.801	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	36360	10.371	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2840	11.044	ug/l	79
93) 1,2,4-Trichlorobenzene	15.104	180	23874	10.217	ug/l	97
94) Hexachlorobutadiene	15.204	225	12418	10.931	ug/l	97
95) Naphthalene	15.334	128	44232	9.467	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	20129	9.888	ug/l	98

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

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