

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076389.D
 Acq On : 12 Jun 2023 12:48
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:46:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 01:45:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	332999	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	584682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	524007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	245866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41396	10.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.520%#		
35) Dibromofluoromethane	7.804	113	38980	10.315	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.640%#		
50) Toluene-d8	10.269	98	148104	10.342	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.680%#		
62) 4-Bromofluorobenzene	12.575	95	51178	10.417	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.840%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	31638	10.637	ug/l	95
3) Chloromethane	2.146	50	59255	10.522	ug/l	99
4) Vinyl Chloride	2.275	62	54526	10.118	ug/l	97
5) Bromomethane	2.681	94	28520	10.100	ug/l	96
6) Chloroethane	2.828	64	33723	10.392	ug/l	99
7) Trichlorofluoromethane	3.163	101	55363	10.209	ug/l	97
8) Diethyl Ether	3.587	74	20586	10.567	ug/l	59
9) 1,1,2-Trichlorotrifluo...	3.958	101	33938	10.409	ug/l	97
10) Methyl Iodide	4.158	142	40347	9.623	ug/l #	90
11) Tert butyl alcohol	5.052	59	17312	53.842	ug/l #	93
12) 1,1-Dichloroethene	3.928	96	33767	10.155	ug/l #	81
13) Acrolein	3.787	56	21607	58.585	ug/l	98
14) Allyl chloride	4.558	41	68277	10.499	ug/l #	82
15) Acrylonitrile	5.252	53	52287	52.749	ug/l	97
16) Acetone	4.022	43	44172	52.242	ug/l #	78
17) Carbon Disulfide	4.263	76	90177	9.439	ug/l #	94
18) Methyl Acetate	4.563	43	38771	10.057	ug/l #	82
19) Methyl tert-butyl Ether	5.316	73	96828	10.495	ug/l	99
20) Methylene Chloride	4.793	84	69581	10.877	ug/l #	75
21) trans-1,2-Dichloroethene	5.305	96	41260	10.678	ug/l #	81
22) Diisopropyl ether	6.216	45	140958	10.648	ug/l #	89
23) Vinyl Acetate	6.152	43	302567m	53.214	ug/l	
24) 1,1-Dichloroethane	6.104	63	77132	10.482	ug/l	96
25) 2-Butanone	7.081	43	67936	51.372	ug/l #	75
26) 2,2-Dichloropropane	7.069	77	69679	10.517	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	47526	10.332	ug/l	80
28) Bromochloromethane	7.422	49	25402	9.043	ug/l #	67
29) Tetrahydrofuran	7.440	42	43571	51.643	ug/l #	77
30) Chloroform	7.593	83	78077	10.646	ug/l	99
31) Cyclohexane	7.869	56	63992	10.398	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	64791	10.344	ug/l	98
36) 1,1-Dichloropropene	8.004	75	53922	9.776	ug/l	95
37) Ethyl Acetate	7.163	43	28055	9.670	ug/l	94
38) Carbon Tetrachloride	7.987	117	49240	9.615	ug/l	98
39) Methylcyclohexane	9.275	83	62440	9.832	ug/l #	89
40) Benzene	8.246	78	160580	10.014	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	20600	11.100	ug/l #	79
42) 1,2-Dichloroethane	8.322	62	48253	10.105	ug/l	97
43) Isopropyl Acetate	8.357	43	62035	10.199	ug/l #	81
44) Trichloroethene	9.028	130	44247	10.179	ug/l	95
45) 1,2-Dichloropropane	9.304	63	42337	9.934	ug/l	93
46) Dibromomethane	9.393	93	23767	10.105	ug/l	93
47) Bromodichloromethane	9.587	83	59968	10.293	ug/l	97
48) Methyl methacrylate	9.381	41	30685	10.525	ug/l #	63
49) 1,4-Dioxane	9.387	88	5964	213.724	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	154144	51.023	ug/l #	82
52) Toluene	10.334	92	102406	10.102	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	59684	10.016	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	69330	10.117	ug/l #	83
55) 1,1,2-Trichloroethane	10.734	97	32840	10.454	ug/l	96
56) Ethyl methacrylate	10.598	69	42970	9.849	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	56469	10.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	90015	50.653	ug/l	90
59) 2-Hexanone	10.922	43	107325	50.681	ug/l	78
60) Dibromochloromethane	11.075	129	40366	10.385	ug/l	100
61) 1,2-Dibromoethane	11.181	107	30491	10.004	ug/l	98
64) Tetrachloroethene	10.810	164	37091	10.310	ug/l	89
65) Chlorobenzene	11.610	112	109772	10.106	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	40505	9.973	ug/l	96
67) Ethyl Benzene	11.687	91	199905	9.993	ug/l	97
68) m/p-Xylenes	11.792	106	151458	20.009	ug/l	88
69) o-Xylene	12.122	106	71568	9.843	ug/l	82
70) Styrene	12.139	104	124987	10.075	ug/l #	94
71) Bromoform	12.298	173	23839	10.064	ug/l #	97
73) Isopropylbenzene	12.422	105	187053	10.060	ug/l	96
74) N-amyl acetate	12.234	43	57211	10.089	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.675	83	38360	10.447	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	22036m	9.280	ug/l	
77) Bromobenzene	12.704	156	44892	10.233	ug/l	83
78) n-propylbenzene	12.763	91	228303	10.073	ug/l	96
79) 2-Chlorotoluene	12.851	91	130390	10.167	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	155680	10.031	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	12835	9.998	ug/l	90
82) 4-Chlorotoluene	12.951	91	135443	10.085	ug/l	93
83) tert-Butylbenzene	13.169	119	134466	10.096	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	155307	10.128	ug/l	93
85) sec-Butylbenzene	13.345	105	197774	10.089	ug/l	97
86) p-Isopropyltoluene	13.463	119	165612	10.033	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	85922	10.120	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	85005	10.131	ug/l	95
89) n-Butylbenzene	13.786	91	159980	10.088	ug/l	98
90) Hexachloroethane	14.057	117	30136	9.894	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	76288	10.217	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6100	10.113	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	50673	10.140	ug/l	96
94) Hexachlorobutadiene	15.204	225	25963	10.326	ug/l	98
95) Naphthalene	15.333	128	99532	9.918	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	43352	10.044	ug/l	98

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

