

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075490.D
 Acq On : 10 Mar 2023 12:41
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 10 23:05:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 16:02:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	123430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	204902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	182323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	91988	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57714	51.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.060%	
35) Dibromofluoromethane	7.805	113	73316	52.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.480%	
50) Toluene-d8	10.269	98	302150	54.501	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.000%	
62) 4-Bromofluorobenzene	12.575	95	84421	52.676	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.360%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	57758	46.925	ug/l	97
3) Chloromethane	2.152	50	94845	51.556	ug/l	98
4) Vinyl Chloride	2.287	62	140665	47.487	ug/l	98
5) Bromomethane	2.693	94	110660	47.685	ug/l	98
6) Chloroethane	2.840	64	93533	47.141	ug/l	100
7) Trichlorofluoromethane	3.181	101	112600	47.163	ug/l	100
8) Diethyl Ether	3.593	74	32230	50.571	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.969	101	73134	47.080	ug/l	95
10) Methyl Iodide	4.164	142	91281	49.254	ug/l	91
11) Tert butyl alcohol	5.058	59	13388	258.869	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	75307	49.088	ug/l	86
13) Acrolein	3.793	56	24213	235.287	ug/l	98
14) Allyl chloride	4.564	41	62621	47.442	ug/l #	81
15) Acrylonitrile	5.252	53	56665	242.470	ug/l	97
16) Acetone	4.022	43	52361	277.531	ug/l #	78
17) Carbon Disulfide	4.275	76	221921	47.945	ug/l	98
18) Methyl Acetate	4.569	43	28170	47.510	ug/l #	68
19) Methyl tert-butyl Ether	5.322	73	133683	50.249	ug/l	94
20) Methylene Chloride	4.805	84	80668	50.682	ug/l #	74
21) trans-1,2-Dichloroethene	5.311	96	84452	48.425	ug/l #	76
22) Diisopropyl ether	6.216	45	142485	49.803	ug/l #	87
23) Vinyl Acetate	6.158	43	351947	266.574	ug/l #	81
24) 1,1-Dichloroethane	6.111	63	119885	48.378	ug/l	96
25) 2-Butanone	7.081	43	65167	249.533	ug/l #	70
26) 2,2-Dichloropropane	7.081	77	110285	48.387	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	92293	49.385	ug/l	79
28) Bromochloromethane	7.428	49	39990	50.056	ug/l #	44
29) Tetrahydrofuran	7.446	42	34611	243.506	ug/l #	52
30) Chloroform	7.599	83	134192	48.759	ug/l	96
31) Cyclohexane	7.881	56	94500	47.371	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	115620	47.911	ug/l	94
36) 1,1-Dichloropropene	8.005	75	103092	49.570	ug/l	93
37) Ethyl Acetate	7.169	43	26614	49.114	ug/l #	77
38) Carbon Tetrachloride	7.993	117	98933	49.647	ug/l	94
39) Methylcyclohexane	9.275	83	129033	49.209	ug/l	89
40) Benzene	8.252	78	305638	49.038	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	13891m	47.530	ug/l	
42) 1,2-Dichloroethane	8.328	62	67352	49.092	ug/l	91
43) Isopropyl Acetate	8.363	43	49455	49.322	ug/l #	77
44) Trichloroethene	9.028	130	87528	47.783	ug/l	93
45) 1,2-Dichloropropane	9.304	63	66308	49.489	ug/l	92
46) Dibromomethane	9.393	93	40586	49.147	ug/l	94
47) Bromodichloromethane	9.587	83	98526	49.271	ug/l	95
48) Methyl methacrylate	9.381	41	22567	47.908	ug/l #	58
49) 1,4-Dioxane	9.387	88	7771	1037.343	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	130392	250.051	ug/l #	76
52) Toluene	10.334	92	204864	50.723	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	90370	50.238	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	110075	49.826	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	57724	49.377	ug/l	95
56) Ethyl methacrylate	10.599	69	58040	52.144	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	88966	49.450	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	141352	259.480	ug/l #	86
59) 2-Hexanone	10.922	43	95678	259.452	ug/l	71
60) Dibromochloromethane	11.075	129	68272	49.429	ug/l	97
61) 1,2-Dibromoethane	11.181	107	55223	50.158	ug/l	99
64) Tetrachloroethene	10.810	164	72381	50.304	ug/l	96
65) Chlorobenzene	11.610	112	214688	49.650	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	73891	49.881	ug/l	95
67) Ethyl Benzene	11.687	91	381248	51.196	ug/l	94
68) m/p-Xylenes	11.798	106	311982	104.237	ug/l	89
69) o-Xylene	12.122	106	144460	51.971	ug/l	91
70) Styrene	12.140	104	242735	52.498	ug/l	94
71) Bromoform	12.304	173	37668	49.798	ug/l #	96
73) Isopropylbenzene	12.422	105	372756	50.601	ug/l	99
74) N-amyl acetate	12.240	43	43965	48.179	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.675	83	59283	47.451	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	35102m	46.199	ug/l	
77) Bromobenzene	12.704	156	84169	48.061	ug/l	90
78) n-propylbenzene	12.769	91	443412	49.538	ug/l	97
79) 2-Chlorotoluene	12.851	91	235425	48.538	ug/l	93
80) 1,3,5-Trimethylbenzene	12.910	105	301693	49.942	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	17972	50.107	ug/l #	72
82) 4-Chlorotoluene	12.951	91	239734	47.899	ug/l	92
83) tert-Butylbenzene	13.169	119	265410	50.552	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	293723	50.311	ug/l	94
85) sec-Butylbenzene	13.351	105	402975	49.579	ug/l	98
86) p-Isopropyltoluene	13.463	119	336811	50.712	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	176174	48.665	ug/l	97
88) 1,4-Dichlorobenzene	13.545	146	170383	47.578	ug/l	98
89) n-Butylbenzene	13.792	91	303269	49.789	ug/l	98
90) Hexachloroethane	14.057	117	61002	47.566	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	149176	48.695	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7760	49.356	ug/l	72
93) 1,2,4-Trichlorobenzene	15.104	180	84544	47.324	ug/l	97
94) Hexachlorobutadiene	15.210	225	41420	48.611	ug/l	97
95) Naphthalene	15.339	128	161428	49.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	72535	47.053	ug/l	99

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

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