

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075488.D
 Acq On : 10 Mar 2023 10:58
 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 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 10 23:04:39 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	7.881	168	107844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	187665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	167148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	79156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10082	10.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.600%#		
35) Dibromofluoromethane	7.810	113	12841	9.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.980%#		
50) Toluene-d8	10.269	98	46363	9.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.260%#		
62) 4-Bromofluorobenzene	12.575	95	13479	9.183	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.360%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	11673	10.854	ug/l	100
3) Chloromethane	2.152	50	20888	9.995	ug/l	97
4) Vinyl Chloride	2.287	62	28928	11.177	ug/l	96
5) Bromomethane	2.693	94	21887	10.795	ug/l	98
6) Chloroethane	2.840	64	19069	11.000	ug/l	100
7) Trichlorofluoromethane	3.175	101	22449	10.762	ug/l	91
8) Diethyl Ether	3.599	74	5323	9.559	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.964	101	14117	10.401	ug/l	93
10) Methyl Iodide	4.169	142	15505	9.575	ug/l	91
11) Tert butyl alcohol	5.064	59	2344m	51.874	ug/l	
12) 1,1-Dichloroethene	3.940	96	13643	10.178	ug/l #	79
13) Acrolein	3.805	56	4938	54.919	ug/l	95
14) Allyl chloride	4.569	41	11909	10.326	ug/l #	82
15) Acrylonitrile	5.252	53	10729m	52.544	ug/l	
16) Acetone	4.028	43	9222	41.708	ug/l	100
17) Carbon Disulfide	4.275	76	43384	10.727	ug/l	97
18) Methyl Acetate	4.569	43	5382	10.389	ug/l #	68
19) Methyl tert-butyl Ether	5.311	73	22976	9.884	ug/l #	85
20) Methylene Chloride	4.805	84	19362	9.223	ug/l #	75
21) trans-1,2-Dichloroethene	5.316	96	15565	10.215	ug/l #	71
22) Diisopropyl ether	6.216	45	25326	10.132	ug/l #	90
23) Vinyl Acetate	6.158	43	58665	50.856	ug/l #	88
24) 1,1-Dichloroethane	6.116	63	23410	10.812	ug/l	93
25) 2-Butanone	7.087	43	11794	51.688	ug/l #	77
26) 2,2-Dichloropropane	7.081	77	21222	10.657	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	16344	10.010	ug/l	84
28) Bromochloromethane	7.428	49	7770	11.131	ug/l #	53
29) Tetrahydrofuran	7.452	42	6299	50.722	ug/l #	57
30) Chloroform	7.599	83	25459	10.587	ug/l	93
31) Cyclohexane	7.881	56	18306	10.503	ug/l #	62
32) 1,1,1-Trichloroethane	7.793	97	22321	10.586	ug/l	94
36) 1,1-Dichloropropene	8.010	75	19183	10.071	ug/l	95
37) Ethyl Acetate	7.175	43	4874	9.821	ug/l #	80
38) Carbon Tetrachloride	7.993	117	17574	9.629	ug/l	98
39) Methylcyclohexane	9.275	83	22384	9.321	ug/l	92
40) Benzene	8.257	78	56971	9.980	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2738	10.229	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	13225	10.525	ug/l	93
43) Isopropyl Acetate	8.357	43	9158	9.972	ug/l #	86
44) Trichloroethene	9.028	130	16525	9.850	ug/l	86
45) 1,2-Dichloropropane	9.310	63	12456	10.150	ug/l #	84
46) Dibromomethane	9.399	93	7727	10.216	ug/l	97
47) Bromodichloromethane	9.587	83	18751	10.238	ug/l	94
48) Methyl methacrylate	9.387	41	4476	10.375	ug/l #	73
49) 1,4-Dioxane	9.387	88	1151	167.758	ug/l #	57
51) 4-Methyl-2-Pentanone	10.163	43	23454	49.109	ug/l #	83
52) Toluene	10.334	92	35473	9.590	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	15499	9.407	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	19188	9.483	ug/l #	80
55) 1,1,2-Trichloroethane	10.734	97	10548	9.851	ug/l	93
56) Ethyl methacrylate	10.599	69	8874	8.705	ug/l #	71
57) 1,3-Dichloropropane	10.881	76	16513	10.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	23484	47.069	ug/l #	88
59) 2-Hexanone	10.922	43	15973	47.293	ug/l	78
60) Dibromochloromethane	11.075	129	12427	9.824	ug/l	98
61) 1,2-Dibromoethane	11.181	107	9673	9.593	ug/l	95
64) Tetrachloroethene	10.810	164	12800	9.703	ug/l	88
65) Chlorobenzene	11.610	112	38932	9.821	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.687	131	13333	9.818	ug/l	97
67) Ethyl Benzene	11.687	91	64533	9.453	ug/l	98
68) m/p-Xylenes	11.798	106	51800	18.878	ug/l	92
69) o-Xylene	12.122	106	23509	9.225	ug/l	91
70) Styrene	12.140	104	39461	9.309	ug/l	94
71) Bromoform	12.304	173	6748	9.731	ug/l #	97
73) Isopropylbenzene	12.428	105	58976	9.304	ug/l	97
74) N-amyl acetate	12.240	43	7495	9.545	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	11141	10.363	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	4948m	7.568	ug/l	
77) Bromobenzene	12.704	156	14461	9.596	ug/l	91
78) n-propylbenzene	12.769	91	74459	9.667	ug/l	98
79) 2-Chlorotoluene	12.851	91	41579	9.962	ug/l	95
80) 1,3,5-Trimethylbenzene	12.910	105	50537	9.722	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	2972	9.629	ug/l #	76
82) 4-Chlorotoluene	12.951	91	43574	10.117	ug/l	96
83) tert-Butylbenzene	13.169	119	40570	8.980	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	47312	9.418	ug/l	96
85) sec-Butylbenzene	13.351	105	67488	9.649	ug/l	99
86) p-Isopropyltoluene	13.463	119	52942	9.263	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	29924	9.606	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	30393	9.863	ug/l	99
89) n-Butylbenzene	13.793	91	50439	9.623	ug/l	99
90) Hexachloroethane	14.057	117	10718	9.712	ug/l	93
91) 1,2-Dichlorobenzene	13.840	146	25001	9.484	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1246	9.210	ug/l	73
93) 1,2,4-Trichlorobenzene	15.104	180	14165	9.214	ug/l	98
94) Hexachlorobutadiene	15.210	225	6747	9.202	ug/l	92
95) Naphthalene	15.334	128	24251	8.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	11756	8.862	ug/l	95

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

