

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075489.D
 Acq On : 10 Mar 2023 11:27
 Operator : KP/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Mar 10 23:05:01 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	111414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	188652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	169867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	83318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	20504	20.282	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.560%#		
35) Dibromofluoromethane	7.810	113	25026	19.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.740%#		
50) Toluene-d8	10.269	98	96078	18.823	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.640%#		
62) 4-Bromofluorobenzene	12.575	95	29098	19.720	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	23792	21.414	ug/l	97
3) Chloromethane	2.152	50	39582	21.353	ug/l	95
4) Vinyl Chloride	2.287	62	58126	21.739	ug/l	100
5) Bromomethane	2.687	94	44224	21.112	ug/l	95
6) Chloroethane	2.834	64	38644	21.577	ug/l	96
7) Trichlorofluoromethane	3.175	101	45350	21.044	ug/l	98
8) Diethyl Ether	3.593	74	11731	20.392	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.969	101	28808	20.545	ug/l	93
10) Methyl Iodide	4.169	142	33078	19.774	ug/l	92
11) Tert butyl alcohol	5.069	59	4787m	102.543	ug/l	
12) 1,1-Dichloroethene	3.946	96	27188	19.634	ug/l	92
13) Acrolein	3.805	56	9815	105.663	ug/l	92
14) Allyl chloride	4.569	41	23824	19.996	ug/l #	82
15) Acrylonitrile	5.263	53	21076	99.911	ug/l	98
16) Acetone	4.022	43	17262	90.044	ug/l #	88
17) Carbon Disulfide	4.275	76	87048	20.834	ug/l	96
18) Methyl Acetate	4.564	43	11010	20.572	ug/l #	77
19) Methyl tert-butyl Ether	5.316	73	46871	19.518	ug/l	96
20) Methylene Chloride	4.799	84	34474	20.583	ug/l #	72
21) trans-1,2-Dichloroethene	5.311	96	31602	20.075	ug/l #	70
22) Diisopropyl ether	6.222	45	53328	20.650	ug/l #	90
23) Vinyl Acetate	6.158	43	126114	105.824	ug/l #	83
24) 1,1-Dichloroethane	6.111	63	44123	19.726	ug/l #	96
25) 2-Butanone	7.087	43	22163	94.018	ug/l #	68
26) 2,2-Dichloropropane	7.081	77	40497	19.684	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	33336	19.762	ug/l	81
28) Bromochloromethane	7.428	49	15162	21.025	ug/l #	50
29) Tetrahydrofuran	7.440	42	12839	100.071	ug/l #	51
30) Chloroform	7.599	83	50919	20.497	ug/l	92
31) Cyclohexane	7.881	56	36106	20.051	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	44408	20.387	ug/l	94
36) 1,1-Dichloropropene	8.010	75	38819	20.273	ug/l	95
37) Ethyl Acetate	7.169	43	10261	20.567	ug/l #	85
38) Carbon Tetrachloride	7.993	117	36171	19.715	ug/l	97
39) Methylcyclohexane	9.275	83	48067	19.910	ug/l #	87
40) Benzene	8.252	78	113797	19.831	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	4837	17.976	ug/l #	59
42) 1,2-Dichloroethane	8.328	62	25454	20.151	ug/l	87
43) Isopropyl Acetate	8.363	43	18370	19.899	ug/l #	88
44) Trichloroethene	9.028	130	33101	19.627	ug/l	89
45) 1,2-Dichloropropane	9.304	63	25367	20.563	ug/l	96
46) Dibromomethane	9.393	93	15735	20.695	ug/l	98
47) Bromodichloromethane	9.587	83	36964	20.077	ug/l	93
48) Methyl methacrylate	9.381	41	8648	19.940	ug/l #	61
49) 1,4-Dioxane	9.381	88	2746	398.135	ug/l #	66
51) 4-Methyl-2-Pentanone	10.157	43	48349	100.705	ug/l #	83
52) Toluene	10.334	92	74014	19.904	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	32549	19.653	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	39725	19.531	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	21587	20.056	ug/l #	88
56) Ethyl methacrylate	10.599	69	19902	19.420	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	32867	19.842	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.875	63	51568	102.817	ug/l #	87
59) 2-Hexanone	10.922	43	33042	97.319	ug/l	75
60) Dibromochloromethane	11.075	129	25272	19.873	ug/l	98
61) 1,2-Dibromoethane	11.181	107	19673	19.408	ug/l	94
64) Tetrachloroethene	10.810	164	25788	19.237	ug/l	96
65) Chlorobenzene	11.610	112	78952	19.598	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	26815	19.429	ug/l	97
67) Ethyl Benzene	11.687	91	135950	19.595	ug/l	98
68) m/p-Xylenes	11.798	106	110666	39.686	ug/l	94
69) o-Xylene	12.122	106	51161	19.755	ug/l	90
70) Styrene	12.140	104	84622	19.644	ug/l	94
71) Bromoform	12.304	173	14350	20.362	ug/l #	99
73) Isopropylbenzene	12.422	105	128524	19.262	ug/l	98
74) N-amyl acetate	12.240	43	16172	19.566	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	22846	20.189	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	16184m	23.517	ug/l	
77) Bromobenzene	12.704	156	30649	19.322	ug/l	90
78) n-propylbenzene	12.763	91	161233	19.887	ug/l	99
79) 2-Chlorotoluene	12.851	91	87137	19.835	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	106338	19.435	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	6431	19.796	ug/l #	73
82) 4-Chlorotoluene	12.951	91	88685	19.563	ug/l	92
83) tert-Butylbenzene	13.169	119	89138	18.745	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	107522	20.334	ug/l	98
85) sec-Butylbenzene	13.351	105	142747	19.390	ug/l	100
86) p-Isopropyltoluene	13.463	119	115324	19.171	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	62583	19.087	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	62354	19.224	ug/l	99
89) n-Butylbenzene	13.792	91	107634	19.510	ug/l	99
90) Hexachloroethane	14.057	117	22506	19.375	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	53288	19.205	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2875	20.189	ug/l	81
93) 1,2,4-Trichlorobenzene	15.104	180	29172	18.028	ug/l	96
94) Hexachlorobutadiene	15.204	225	14479	18.761	ug/l	98
95) Naphthalene	15.339	128	53147	17.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	24781	17.748	ug/l	97

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

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