

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075487.D
 Acq On : 10 Mar 2023 10:29
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

03/13/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 10 23:04:09 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	107583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	188547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	170359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	77046	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5682	5.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.640%#
35) Dibromofluoromethane	7.810	113	6916	5.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.720%#
50) Toluene-d8	10.275	98	26028	5.102	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.200%#
62) 4-Bromofluorobenzene	12.575	95	7546	5.117	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.240%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5656	5.272	ug/l	98
3) Chloromethane	2.146	50	11235	3.820	ug/l	89
4) Vinyl Chloride	2.287	62	14907	5.774	ug/l	96
5) Bromomethane	2.693	94	11010	5.443	ug/l	99
6) Chloroethane	2.840	64	10162	5.876	ug/l	100
7) Trichlorofluoromethane	3.181	101	11348	5.453	ug/l	92
8) Diethyl Ether	3.599	74	2894	5.210	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.963	101	7379	5.450	ug/l #	88
10) Methyl Iodide	4.175	142	7464	4.621	ug/l #	84
11) Tert butyl alcohol	5.052	59	1233	27.353	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	7197	5.382	ug/l	86
13) Acrolein	3.811	56	2661	29.667	ug/l	100
14) Allyl chloride	4.569	41	5901	5.129	ug/l #	82
15) Acrylonitrile	5.269	53	5356	26.294	ug/l	95
16) Acetone	4.022	43	4815	13.332	ug/l	98
17) Carbon Disulfide	4.275	76	22729	5.634	ug/l	98
18) Methyl Acetate	4.569	43	2770	5.360	ug/l #	89
19) Methyl tert-butyl Ether	5.316	73	11173	4.818	ug/l	96
20) Methylene Chloride	4.805	84	12474	3.661	ug/l #	64
21) trans-1,2-Dichloroethene	5.316	96	7868	5.176	ug/l #	70
22) Diisopropyl ether	6.210	45	12444	4.990	ug/l #	83
23) Vinyl Acetate	6.163	43	28176m	24.485	ug/l	
24) 1,1-Dichloroethane	6.122	63	11061	5.121	ug/l #	95
25) 2-Butanone	7.087	43	6126	26.913	ug/l #	78
26) 2,2-Dichloropropane	7.075	77	10327	5.198	ug/l #	76
27) cis-1,2-Dichloroethene	7.075	96	8060	4.948	ug/l	85
28) Bromochloromethane	7.428	49	3434	4.932	ug/l #	45
29) Tetrahydrofuran	7.457	42	2877	23.223	ug/l #	49
30) Chloroform	7.599	83	12390	5.165	ug/l	94
31) Cyclohexane	7.881	56	10426	5.996	ug/l #	61
32) 1,1,1-Trichloroethane	7.799	97	11138	5.295	ug/l	93
36) 1,1-Dichloropropene	8.010	75	9317	4.868	ug/l	96
37) Ethyl Acetate	7.169	43	2236	4.484	ug/l #	88
38) Carbon Tetrachloride	7.993	117	9106	4.966	ug/l	90
39) Methylcyclohexane	9.275	83	10971	4.547	ug/l #	84
40) Benzene	8.251	78	27340	4.767	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.381	41	1228m	4.566	ug/l	
42) 1,2-Dichloroethane	8.328	62	6235	4.939	ug/l	94
43) Isopropyl Acetate	8.363	43	4716	5.111	ug/l #	80
44) Trichloroethene	9.028	130	8309	4.929	ug/l	86
45) 1,2-Dichloropropane	9.310	63	6168	5.003	ug/l	100
46) Dibromomethane	9.393	93	4105	5.402	ug/l	96
47) Bromodichloromethane	9.587	83	8914	4.844	ug/l #	90
48) Methyl methacrylate	9.381	41	1930	4.453	ug/l #	57
49) 1,4-Dioxane	9.375	88	408	59.188	ug/l #	21
51) 4-Methyl-2-Pentanone	10.157	43	10840	22.591	ug/l #	80
52) Toluene	10.334	92	17349	4.668	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	7881	4.761	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	9475	4.661	ug/l #	72
55) 1,1,2-Trichloroethane	10.740	97	5471	5.086	ug/l #	82
56) Ethyl methacrylate	10.598	69	4740	4.628	ug/l #	62
57) 1,3-Dichloropropane	10.881	76	8211	4.960	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.875	63	10865	21.675	ug/l #	86
59) 2-Hexanone	10.922	43	7583	22.347	ug/l	76
60) Dibromochloromethane	11.075	129	6256	4.922	ug/l	95
61) 1,2-Dibromoethane	11.181	107	4939	4.875	ug/l	97
64) Tetrachloroethene	10.810	164	6387	4.751	ug/l	98
65) Chlorobenzene	11.610	112	19335	4.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	6716	4.852	ug/l	93
67) Ethyl Benzene	11.687	91	30311	4.356	ug/l	99
68) m/p-Xylenes	11.798	106	24629	8.807	ug/l	92
69) o-Xylene	12.122	106	11534	4.441	ug/l	88
70) Styrene	12.139	104	18365	4.251	ug/l	93
71) Bromoform	12.298	173	3270	4.627	ug/l #	99
73) Isopropylbenzene	12.422	105	28758	4.661	ug/l	97
74) N-amyl acetate	12.234	43	3350	4.383	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.681	83	5751	5.496	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	3725m	5.853	ug/l	
77) Bromobenzene	12.710	156	7349	5.010	ug/l	87
78) n-propylbenzene	12.769	91	34970	4.665	ug/l	97
79) 2-Chlorotoluene	12.851	91	20026	4.930	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	23223	4.590	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	1502	5.000	ug/l #	70
82) 4-Chlorotoluene	12.951	91	20610	4.917	ug/l	94
83) tert-Butylbenzene	13.169	119	19781	4.498	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	21647	4.427	ug/l	91
85) sec-Butylbenzene	13.345	105	32145	4.722	ug/l	99
86) p-Isopropyltoluene	13.463	119	24345	4.376	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	15049	4.963	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	15481	5.161	ug/l	98
89) n-Butylbenzene	13.786	91	23202	4.548	ug/l	98
90) Hexachloroethane	14.057	117	5497	5.118	ug/l	99
91) 1,2-Dichlorobenzene	13.839	146	12918	5.035	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.457	75	640	4.860	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	7389	4.938	ug/l	95
94) Hexachlorobutadiene	15.210	225	3639	5.099	ug/l	97
95) Naphthalene	15.333	128	11991	4.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	6262	4.850	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

