

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075654.D
 Acq On : 13 Apr 2023 11:19
 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 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 14:08:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:07:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	202267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	161459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39212	20.424	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.840%#		
35) Dibromofluoromethane	7.805	113	47263	19.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.980%#		
50) Toluene-d8	10.269	98	183299	19.358	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.720%#		
62) 4-Bromofluorobenzene	12.575	95	51156	20.325	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	40018	21.293	ug/l	99
3) Chloromethane	2.146	50	71558	21.086	ug/l	97
4) Vinyl Chloride	2.281	62	93357	20.731	ug/l	96
5) Bromomethane	2.675	94	69766	19.842	ug/l	99
6) Chloroethane	2.828	64	62982	20.773	ug/l	97
7) Trichlorofluoromethane	3.169	101	73698	21.122	ug/l	97
8) Diethyl Ether	3.593	74	21084	19.415	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.958	101	46002	21.024	ug/l	94
10) Methyl Iodide	4.158	142	60523	20.211	ug/l	91
11) Tert butyl alcohol	5.052	59	9529	98.896	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	46803	20.659	ug/l	87
13) Acrolein	3.793	56	19872	102.246	ug/l	99
14) Allyl chloride	4.558	41	40975	19.859	ug/l #	84
15) Acrylonitrile	5.252	53	40325	99.417	ug/l	95
16) Acetone	4.016	43	32549	92.541	ug/l #	83
17) Carbon Disulfide	4.264	76	150812	20.342	ug/l	96
18) Methyl Acetate	4.558	43	23309	19.652	ug/l #	67
19) Methyl tert-butyl Ether	5.322	73	85271	19.394	ug/l	96
20) Methylene Chloride	4.793	84	62175	20.093	ug/l #	71
21) trans-1,2-Dichloroethene	5.311	96	55308	20.498	ug/l #	72
22) Diisopropyl ether	6.210	45	95695	20.525	ug/l #	90
23) Vinyl Acetate	6.152	43	217851	100.599	ug/l #	87
24) 1,1-Dichloroethane	6.111	63	79187	20.497	ug/l	98
25) 2-Butanone	7.081	43	43399	95.832	ug/l #	65
26) 2,2-Dichloropropane	7.081	77	70081	20.009	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	57805	19.340	ug/l	84
28) Bromochloromethane	7.428	49	25154	20.598	ug/l #	47
29) Tetrahydrofuran	7.452	42	24424	98.622	ug/l #	56
30) Chloroform	7.593	83	88445	20.195	ug/l	99
31) Cyclohexane	7.881	56	62351	20.696	ug/l #	75
32) 1,1,1-Trichloroethane	7.793	97	72134	20.199	ug/l	94
36) 1,1-Dichloropropene	8.005	75	66588	20.413	ug/l	94
37) Ethyl Acetate	7.169	43	19605	19.748	ug/l #	82
38) Carbon Tetrachloride	7.993	117	59477	20.705	ug/l	91
39) Methylcyclohexane	9.275	83	76152	20.188	ug/l	89
40) Benzene	8.252	78	205089	20.224	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8610	18.073	ug/l #	58
42) 1,2-Dichloroethane	8.322	62	45758	19.865	ug/l	87
43) Isopropyl Acetate	8.357	43	36391	20.103	ug/l #	79
44) Trichloroethene	9.028	130	56690	19.753	ug/l	99
45) 1,2-Dichloropropane	9.304	63	45795	20.152	ug/l #	87
46) Dibromomethane	9.399	93	28711	19.915	ug/l	97
47) Bromodichloromethane	9.587	83	64788	19.646	ug/l	97
48) Methyl methacrylate	9.381	41	15862	19.667	ug/l #	56
49) 1,4-Dioxane	9.387	88	5895	412.135	ug/l #	65
51) 4-Methyl-2-Pentanone	10.157	43	91647	94.952	ug/l #	81
52) Toluene	10.334	92	128713	19.088	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	59380	18.784	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	72965	19.426	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	39620	18.980	ug/l	91
56) Ethyl methacrylate	10.604	69	38230	18.610	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	60605	19.124	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	89246	101.158	ug/l #	86
59) 2-Hexanone	10.922	43	64220	94.630	ug/l	76
60) Dibromochloromethane	11.075	129	45969	18.820	ug/l	99
61) 1,2-Dibromoethane	11.181	107	38149	19.158	ug/l	98
64) Tetrachloroethene	10.810	164	45388	19.266	ug/l	96
65) Chlorobenzene	11.610	112	139310	19.883	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	48633	20.190	ug/l	95
67) Ethyl Benzene	11.687	91	230627	20.282	ug/l	95
68) m/p-Xylenes	11.793	106	190883	40.961	ug/l	93
69) o-Xylene	12.122	106	85658	20.328	ug/l	91
70) Styrene	12.134	104	147103	19.296	ug/l	94
71) Bromoform	12.304	173	25103	19.937	ug/l #	96
73) Isopropylbenzene	12.422	105	216849	20.464	ug/l	99
74) N-amyl acetate	12.234	43	30686	19.707	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.675	83	41754	20.284	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	29351m	25.048	ug/l	
77) Bromobenzene	12.704	156	52845	19.344	ug/l	93
78) n-propylbenzene	12.763	91	268851	20.698	ug/l	96
79) 2-Chlorotoluene	12.851	91	149725	20.324	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	183079	20.725	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12574	20.698	ug/l #	72
82) 4-Chlorotoluene	12.951	91	161296	21.056	ug/l	96
83) tert-Butylbenzene	13.169	119	149469	20.067	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	184973	20.867	ug/l	97
85) sec-Butylbenzene	13.345	105	238453	20.751	ug/l	98
86) p-Isopropyltoluene	13.463	119	194755	20.359	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	111647	19.645	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	111954	19.940	ug/l	98
89) n-Butylbenzene	13.792	91	183496	20.824	ug/l	98
90) Hexachloroethane	14.057	117	38212	20.105	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	94914	19.496	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5562	20.156	ug/l	88
93) 1,2,4-Trichlorobenzene	15.104	180	51054	18.026	ug/l	98
94) Hexachlorobutadiene	15.204	225	25872	19.111	ug/l	95
95) Naphthalene	15.334	128	94705	17.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	45575	18.282	ug/l	99

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

