

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071822\
 Data File : VD073850.D
 Acq On : 18 Jul 2022 15:34
 Operator : VA/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 07/19/2022
 Supervised By :Mahesh Dadoda 07/19/2022

Quant Time: Jul 19 01:18:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:16:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	130979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	225955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	209772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	102109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	32955	19.530	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.060%#		
35) Dibromofluoromethane	7.908	113	33026	20.882	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.760%#		
50) Toluene-d8	10.332	98	116369	20.360	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.720%#		
62) 4-Bromofluorobenzene	12.620	95	39338	18.785	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	37.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	26608	15.558	ug/l	93
3) Chloromethane	2.209	50	46790	24.182	ug/l	93
4) Vinyl Chloride	2.344	62	65363	34.378	ug/l	98
5) Bromomethane	2.750	94	41898	33.027	ug/l	91
6) Chloroethane	2.909	64	43035	35.268	ug/l	99
7) Trichlorofluoromethane	3.256	101	58244	19.997	ug/l	99
8) Diethyl Ether	3.709	74	13599	16.578	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	32662	19.046	ug/l	99
10) Methyl Iodide	4.291	142	29362	16.954	ug/l	97
11) Tert butyl alcohol	5.232	59	10451m	74.285	ug/l	
12) 1,1-Dichloroethene	4.062	96	28477	18.439	ug/l	92
13) Acrolein	3.909	56	8670	76.567	ug/l	96
14) Allyl chloride	4.709	41	41402	16.920	ug/l #	88
15) Acrylonitrile	5.420	53	29108	76.036	ug/l	98
16) Acetone	4.156	43	22865	66.299	ug/l	98
17) Carbon Disulfide	4.403	76	91467	18.857	ug/l	95
18) Methyl Acetate	4.720	43	13469	14.061	ug/l #	87
19) Methyl tert-butyl Ether	5.479	73	67689	18.371	ug/l #	90
20) Methylene Chloride	4.956	84	57553	22.127	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	32958	18.630	ug/l	85
22) Diisopropyl ether	6.356	45	86258	16.164	ug/l #	93
23) Vinyl Acetate	6.297	43	236559	79.954	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	57325	17.537	ug/l	99
25) 2-Butanone	7.214	43	36302	76.659	ug/l	92
26) 2,2-Dichloropropane	7.197	77	49509	17.870	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	36777	18.172	ug/l	93
28) Bromochloromethane	7.538	49	20360	16.698	ug/l #	80
29) Tetrahydrofuran	7.561	42	23256	77.402	ug/l	90
30) Chloroform	7.703	83	63508	18.222	ug/l	94
31) Cyclohexane	7.979	56	50920	17.748	ug/l	84
32) 1,1,1-Trichloroethane	7.897	97	57375	19.090	ug/l	98
36) 1,1-Dichloropropene	8.103	75	47172	18.757	ug/l	100
37) Ethyl Acetate	7.291	43	17654	15.968	ug/l #	96
38) Carbon Tetrachloride	8.091	117	53609	20.279	ug/l	98
39) Methylcyclohexane	9.344	83	54042	18.472	ug/l	90
40) Benzene	8.338	78	127674	17.649	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	11061	16.796	ug/l	95
42) 1,2-Dichloroethane	8.414	62	40924	18.720	ug/l	99
43) Isopropyl Acetate	8.444	43	32551	15.598	ug/l #	92
44) Trichloroethene	9.102	130	36670	18.912	ug/l	95
45) 1,2-Dichloropropane	9.379	63	30944	16.528	ug/l #	88
46) Dibromomethane	9.467	93	19344	18.372	ug/l	96
47) Bromodichloromethane	9.650	83	49041	18.198	ug/l	97
48) Methyl methacrylate	9.450	41	16870	16.627	ug/l	90
49) 1,4-Dioxane	9.450	88	3783	323.213	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	81213	75.337	ug/l	95
52) Toluene	10.397	92	83376	18.364	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	41426	16.777	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	48745	16.962	ug/l	93
55) 1,1,2-Trichloroethane	10.785	97	24300	17.312	ug/l	95
56) Ethyl methacrylate	10.649	69	26297	16.052	ug/l	93
57) 1,3-Dichloropropane	10.932	76	40068	16.613	ug/l	98
59) 2-Hexanone	10.973	43	55844	77.287	ug/l	98
60) Dibromochloromethane	11.126	129	31097	17.303	ug/l	98
61) 1,2-Dibromoethane	11.238	107	23607	17.177	ug/l	98
64) Tetrachloroethene	10.867	164	27067	17.823	ug/l #	86
65) Chlorobenzene	11.655	112	87247	18.308	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	32066	17.930	ug/l	99
67) Ethyl Benzene	11.732	91	158989	19.180	ug/l	97
68) m/p-Xylenes	11.844	106	126450	39.380	ug/l	100
69) o-Xylene	12.167	106	58684	19.609	ug/l	93
70) Styrene	12.185	104	100003	19.368	ug/l	98
71) Bromoform	12.349	173	17360	17.814	ug/l #	97
73) Isopropylbenzene	12.467	105	156762	19.874	ug/l	97
74) N-amyl acetate	12.273	43	31544	16.629	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	27825	17.686	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	19083m	17.393	ug/l	
77) Bromobenzene	12.749	156	34637	18.618	ug/l	90
78) n-propylbenzene	12.808	91	194505	19.649	ug/l	99
79) 2-Chlorotoluene	12.891	91	107900	18.732	ug/l	96
80) 1,3,5-Trimethylbenzene	12.943	105	134118	20.056	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	7879	16.381	ug/l	99
82) 4-Chlorotoluene	12.991	91	114979	19.033	ug/l	99
83) tert-Butylbenzene	13.208	119	120352	21.153	ug/l	93
84) 1,2,4-Trimethylbenzene	13.255	105	133888	20.012	ug/l	100
85) sec-Butylbenzene	13.385	105	172836	20.123	ug/l	99
86) p-Isopropyltoluene	13.502	119	145840	20.547	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	74096	19.527	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	72519	19.245	ug/l	98
89) n-Butylbenzene	13.826	91	137730	20.194	ug/l	99
90) Hexachloroethane	14.096	117	28201	19.418	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	64281	19.516	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	4646	18.435	ug/l	95
93) 1,2,4-Trichlorobenzene	15.137	180	36094	18.503	ug/l	96
94) Hexachlorobutadiene	15.249	225	21232	19.977	ug/l	97
95) Naphthalene	15.379	128	67854	18.948	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	31146	18.072	ug/l	96

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

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

