

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081822\
 Data File : VD074140.D
 Acq On : 18 Aug 2022 19:39
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 18 21:48:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 18 21:46:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2022
 Supervised By :Mahesh Dadoda 08/23/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	185065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	321597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	301557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	142506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	47893	28.795	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	57.600%		
35) Dibromofluoromethane	7.903	113	45981	23.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.160%#		
50) Toluene-d8	10.332	98	164046	27.124	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	54.240%		
62) 4-Bromofluorobenzene	12.620	95	55706	22.182	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	44.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	48727	26.465	ug/l	99
3) Chloromethane	2.209	50	35988	17.739	ug/l	99
4) Vinyl Chloride	2.344	62	33061	12.850	ug/l	96
5) Bromomethane	2.744	94	19448	9.591	ug/l	91
6) Chloroethane	2.903	64	21116	9.920	ug/l	98
7) Trichlorofluoromethane	3.256	101	76158	19.538	ug/l	98
8) Diethyl Ether	3.703	74	20439	23.872	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	43844	20.745	ug/l	96
10) Methyl Iodide	4.291	142	52686	26.988	ug/l	98
11) Tert butyl alcohol	5.220	59	17070m	138.415	ug/l	
12) 1,1-Dichloroethene	4.056	96	41719	23.618	ug/l	93
13) Acrolein	3.920	56	18651	161.745	ug/l	99
14) Allyl chloride	4.709	41	68418	29.178	ug/l	93
15) Acrylonitrile	5.414	53	47833	137.519	ug/l	100
16) Acetone	4.156	43	39459	108.906	ug/l	96
17) Carbon Disulfide	4.403	76	140406	29.910	ug/l	98
18) Methyl Acetate	4.720	43	25319	26.691	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	90788	23.428	ug/l	99
20) Methylene Chloride	4.956	84	74691	26.243	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	47427	24.438	ug/l	93
22) Diisopropyl ether	6.356	45	140278	28.104	ug/l	93
23) Vinyl Acetate	6.303	43	287593	112.147	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	86150	25.589	ug/l	100
25) 2-Butanone	7.208	43	64651	130.019	ug/l	92
26) 2,2-Dichloropropane	7.203	77	70852	21.165	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	51026	22.645	ug/l	96
28) Bromochloromethane	7.532	49	28512	23.509	ug/l	92
29) Tetrahydrofuran	7.561	42	38444	136.855	ug/l	95
30) Chloroform	7.697	83	87614	22.709	ug/l	98
31) Cyclohexane	7.979	56	78874	27.121	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	77729	21.692	ug/l	97
36) 1,1-Dichloropropene	8.103	75	68181	23.422	ug/l	97
37) Ethyl Acetate	7.291	43	30271	25.991	ug/l	97
38) Carbon Tetrachloride	8.091	117	67466	20.736	ug/l	95
39) Methylcyclohexane	9.344	83	76307	23.583	ug/l	97
40) Benzene	8.344	78	189212	22.997	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	16787	27.995	ug/l	96
42) 1,2-Dichloroethane	8.414	62	54817	22.309	ug/l	97
43) Isopropyl Acetate	8.444	43	52457	24.357	ug/l #	92
44) Trichloroethene	9.102	130	49085	20.751	ug/l	96
45) 1,2-Dichloropropane	9.379	63	47210	23.632	ug/l	89
46) Dibromomethane	9.467	93	26370	21.345	ug/l	98
47) Bromodichloromethane	9.649	83	67644	21.327	ug/l	97
48) Methyl methacrylate	9.450	41	25919	25.957	ug/l	93
49) 1,4-Dioxane	9.455	88	5601	455.939	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	139743	126.483	ug/l	99
52) Toluene	10.391	92	117239	22.101	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	58556	21.497	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	72305	22.685	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	34932	21.344	ug/l	98
56) Ethyl methacrylate	10.649	69	40588	23.702	ug/l	91
57) 1,3-Dichloropropane	10.932	76	58387	22.067	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	67973	109.523	ug/l	97
59) 2-Hexanone	10.973	43	94239	126.268	ug/l	99
60) Dibromochloromethane	11.126	129	44117	20.154	ug/l	96
61) 1,2-Dibromoethane	11.232	107	34465	21.662	ug/l	97
64) Tetrachloroethene	10.867	164	40657	21.072	ug/l	95
65) Chlorobenzene	11.655	112	121966	20.390	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	46113	19.732	ug/l	98
67) Ethyl Benzene	11.732	91	216565	21.029	ug/l	97
68) m/p-Xylenes	11.844	106	172397	41.927	ug/l	99
69) o-Xylene	12.167	106	78331	20.964	ug/l	94
70) Styrene	12.179	104	133701	20.501	ug/l	98
71) Bromoform	12.343	173	23841	19.778	ug/l #	98
73) Isopropylbenzene	12.467	105	205683	21.623	ug/l	98
74) N-amyl acetate	12.273	43	49839	25.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	38512	22.027	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	32575m	23.884	ug/l	
77) Bromobenzene	12.749	156	47669	20.982	ug/l	94
78) n-propylbenzene	12.802	91	260769	22.056	ug/l	98
79) 2-Chlorotoluene	12.890	91	151634	22.534	ug/l	100
80) 1,3,5-Trimethylbenzene	12.943	105	176695	21.811	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	10735	21.579	ug/l	88
82) 4-Chlorotoluene	12.990	91	157274	22.123	ug/l	99
83) tert-Butylbenzene	13.208	119	148581	21.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	174981	21.565	ug/l	97
85) sec-Butylbenzene	13.385	105	224767	21.027	ug/l	98
86) p-Isopropyltoluene	13.502	119	188026	21.162	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	98417	20.523	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	97388	20.410	ug/l	99
89) n-Butylbenzene	13.826	91	179560	20.967	ug/l	98
90) Hexachloroethane	14.090	117	36119	19.521	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	84695	19.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	6049	20.214	ug/l	88
93) 1,2,4-Trichlorobenzene	15.137	180	48619	18.174	ug/l	99
94) Hexachlorobutadiene	15.243	225	25685	16.354	ug/l	98
95) Naphthalene	15.373	128	91031	19.659	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	43570	18.381	ug/l	97

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

