

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073720.D
 Acq On : 27 Jun 2022 13:37
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 15:19:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 15:18:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	284782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	483573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	456546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	225110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15743	4.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.360%#		
35) Dibromofluoromethane	7.909	113	16210	4.474	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.940%#		
50) Toluene-d8	10.332	98	53211	4.131	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	8.260%#		
62) 4-Bromofluorobenzene	12.620	95	21940	4.480	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	10658	3.934	ug/l	89
3) Chloromethane	2.203	50	8571	3.510	ug/l #	86
4) Vinyl Chloride	2.344	62	9913	4.113	ug/l	88
5) Bromomethane	2.750	94	8534	4.580	ug/l	87
6) Chloroethane	2.909	64	6119	3.736	ug/l	92
7) Trichlorofluoromethane	3.262	101	22590	3.966	ug/l	100
8) Diethyl Ether	3.709	74	5522	3.732	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.085	101	13692	4.152	ug/l	98
10) Methyl Iodide	4.291	142	10335	3.357	ug/l	92
11) Tert butyl alcohol	5.179	59	25267	33.123	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	10637	3.855	ug/l	87
13) Acrolein	3.909	56	773	14.134	ug/l #	64
14) Allyl chloride	4.715	41	15237	3.708	ug/l	98
15) Acrylonitrile	5.415	53	14235	19.802	ug/l	97
16) Acetone	4.156	43	13734	23.054	ug/l	91
17) Carbon Disulfide	4.403	76	21876	3.217	ug/l	100
18) Methyl Acetate	4.720	43	12067	6.464	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	29000	3.917	ug/l	96
20) Methylene Chloride	4.956	84	33349	7.618	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	12562	3.822	ug/l	92
22) Diisopropyl ether	6.356	45	34979	3.740	ug/l	91
23) Vinyl Acetate	6.297	43	75000m	15.312	ug/l	
24) 1,1-Dichloroethane	6.256	63	25138	4.074	ug/l #	91
25) 2-Butanone	7.209	43	17924	20.825	ug/l #	88
26) 2,2-Dichloropropane	7.197	77	23586	4.060	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	15415	3.950	ug/l	95
28) Bromochloromethane	7.538	49	9730	4.451	ug/l #	97
29) Tetrahydrofuran	7.561	42	10045	19.160	ug/l	98
30) Chloroform	7.703	83	29284	4.193	ug/l	100
31) Cyclohexane	7.973	56	22200	4.484	ug/l #	68
32) 1,1,1-Trichloroethane	7.897	97	25022	4.006	ug/l	98
36) 1,1-Dichloropropene	8.103	75	18858	3.774	ug/l	98
37) Ethyl Acetate	7.285	43	7010	3.469	ug/l #	94
38) Carbon Tetrachloride	8.085	117	24192	4.118	ug/l #	79
39) Methylcyclohexane	9.344	83	18046	3.281	ug/l	91
40) Benzene	8.338	78	56955	3.920	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	4256	3.532	ug/l	90
42) 1,2-Dichloroethane	8.420	62	17137	3.866	ug/l	96
43) Isopropyl Acetate	8.444	43	15347	3.897	ug/l	97
44) Trichloroethene	9.097	130	17131	4.101	ug/l	70
45) 1,2-Dichloropropane	9.379	63	15069	4.107	ug/l	93
46) Dibromomethane	9.461	93	8669	4.031	ug/l	93
47) Bromodichloromethane	9.650	83	23014	4.104	ug/l #	90
48) Methyl methacrylate	9.444	41	6530	3.275	ug/l	94
49) 1,4-Dioxane	9.461	88	1726	71.397	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	37430	18.357	ug/l	100
52) Toluene	10.397	92	34671	3.626	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	18787	3.670	ug/l #	86
54) cis-1,3-Dichloropropene	10.079	75	21843	3.763	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	12407	4.106	ug/l	96
56) Ethyl methacrylate	10.655	69	11406	3.317	ug/l	97
57) 1,3-Dichloropropane	10.938	76	19301	3.864	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	26280	19.812	ug/l	100
59) 2-Hexanone	10.973	43	24997	18.142	ug/l	94
60) Dibromochloromethane	11.132	129	15985	4.011	ug/l	89
61) 1,2-Dibromoethane	11.238	107	11633	4.061	ug/l	100
64) Tetrachloroethene	10.867	164	14873	4.336	ug/l	94
65) Chlorobenzene	11.661	112	42995	4.026	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.732	131	18195	4.222	ug/l	97
67) Ethyl Benzene	11.732	91	69922	3.765	ug/l	97
68) m/p-Xylenes	11.844	106	52396	7.303	ug/l	96
69) o-Xylene	12.167	106	24247	3.636	ug/l	98
70) Styrene	12.185	104	39949	3.416	ug/l	96
71) Bromoform	12.349	173	9750	4.115	ug/l #	97
73) Isopropylbenzene	12.467	105	63395	3.587	ug/l	99
74) N-amyl acetate	12.279	43	13595	3.709	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	14658	4.331	ug/l	87
76) 1,2,3-Trichloropropane	12.767	75	7585m	3.465	ug/l	
77) Bromobenzene	12.749	156	18067	4.237	ug/l	96
78) n-propylbenzene	12.808	91	83440	3.858	ug/l	99
79) 2-Chlorotoluene	12.896	91	51191	4.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	57925	3.820	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	3510	3.343	ug/l #	88
82) 4-Chlorotoluene	12.991	91	53330	3.988	ug/l	100
83) tert-Butylbenzene	13.208	119	47194	3.555	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	55330	3.711	ug/l	92
85) sec-Butylbenzene	13.385	105	75632	3.846	ug/l	99
86) p-Isopropyltoluene	13.502	119	57454	3.505	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	36263	4.075	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	37715	4.292	ug/l	92
89) n-Butylbenzene	13.826	91	57242	3.741	ug/l	98
90) Hexachloroethane	14.096	117	13708	4.064	ug/l	88
91) 1,2-Dichlorobenzene	13.873	146	32085	4.183	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	2174	3.800	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	18116	3.949	ug/l	99
94) Hexachlorobutadiene	15.249	225	10671	4.099	ug/l	96
95) Naphthalene	15.379	128	30460	3.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	16563	4.115	ug/l	92

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

