

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072093.D
 Acq On : 25 Feb 2022 11:45
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2022
 Supervised By :Mahesh Dadoda 02/28/2022

Quant Time: Feb 26 05:40:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	455958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	732012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	680494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	338027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244786	51.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.520%			
35) Dibromofluoromethane	7.914	113	234531	52.881	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.760%			
50) Toluene-d8	10.338	98	912242	55.466	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.940%			
62) 4-Bromofluorobenzene	12.626	95	326543	54.051	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	81394	18.933	ug/l	97
3) Chloromethane	2.209	50	70997	18.419	ug/l	97
4) Vinyl Chloride	2.350	62	64319	16.573	ug/l	90
5) Bromomethane	2.756	94	42685	16.115	ug/l	96
6) Chloroethane	2.914	64	43880	17.888	ug/l	97
7) Trichlorofluoromethane	3.273	101	142115	18.927	ug/l	100
8) Diethyl Ether	3.714	74	37254	17.405	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	87458	18.643	ug/l	97
10) Methyl Iodide	4.297	142	64673	14.690	ug/l	97
11) Tert butyl alcohol	5.220	59	26543	98.359	ug/l	97
12) 1,1-Dichloroethene	4.067	96	72686	17.444	ug/l	98
13) Acrolein	3.920	56	41455	77.903	ug/l	99
14) Allyl chloride	4.714	41	120098	16.447	ug/l	98
15) Acrylonitrile	5.420	53	99984	86.428	ug/l	98
16) Acetone	4.161	43	87758	85.856	ug/l	93
17) Carbon Disulfide	4.408	76	154510	13.807	ug/l	99
18) Methyl Acetate	4.720	43	50966	18.913	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	188182	18.565	ug/l	98
20) Methylene Chloride	4.967	84	97655	19.196	ug/l	94
21) trans-1,2-Dichloroethene	5.479	96	79759	17.036	ug/l	95
22) Diisopropyl ether	6.361	45	284146	18.634	ug/l	97
23) Vinyl Acetate	6.308	43	725734	89.123	ug/l	99
24) 1,1-Dichloroethane	6.267	63	165812	18.278	ug/l	99
25) 2-Butanone	7.208	43	122786	86.913	ug/l	98
26) 2,2-Dichloropropane	7.214	77	141396	19.478	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	99796	18.604	ug/l	98
28) Bromochloromethane	7.544	49	68671	17.757	ug/l	97
29) Tetrahydrofuran	7.561	42	75160	83.361	ug/l	97
30) Chloroform	7.708	83	181224	19.457	ug/l	99
31) Cyclohexane	7.985	56	132420	15.851	ug/l #	94
32) 1,1,1-Trichloroethane	7.902	97	157531	19.654	ug/l	99
36) 1,1-Dichloropropene	8.114	75	121114	18.028	ug/l	99
37) Ethyl Acetate	7.285	43	55724	17.887	ug/l #	95
38) Carbon Tetrachloride	8.097	117	133437	19.379	ug/l	99
39) Methylcyclohexane	9.355	83	133936	17.034	ug/l	94
40) Benzene	8.349	78	345105	18.205	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	30096	15.579	ug/l	94
42) 1,2-Dichloroethane	8.426	62	109134	19.192	ug/l	98
43) Isopropyl Acetate	8.449	43	103399	17.824	ug/l	99
44) Trichloroethene	9.108	130	97916	18.951	ug/l	96
45) 1,2-Dichloropropane	9.385	63	95839	18.953	ug/l	96
46) Dibromomethane	9.467	93	49414	18.517	ug/l	98
47) Bromodichloromethane	9.661	83	135552	19.692	ug/l	100
48) Methyl methacrylate	9.455	41	48893	16.684	ug/l #	86
49) 1,4-Dioxane	9.461	88	12390	391.386	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	279289	90.841	ug/l	98
52) Toluene	10.396	92	232872	19.196	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	123526	19.621	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	146253	19.628	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	73202	19.493	ug/l	96
56) Ethyl methacrylate	10.655	69	83142	18.539	ug/l	99
57) 1,3-Dichloropropane	10.938	76	125451	19.328	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	195843	97.615	ug/l	98
59) 2-Hexanone	10.979	43	192699	91.890	ug/l	99
60) Dibromochloromethane	11.132	129	95811	20.430	ug/l	100
61) 1,2-Dibromoethane	11.238	107	68175	18.997	ug/l	96
64) Tetrachloroethene	10.873	164	86208	20.066	ug/l	98
65) Chlorobenzene	11.667	112	257320	19.511	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	100255	20.481	ug/l	99
67) Ethyl Benzene	11.738	91	450382	19.421	ug/l	100
68) m/p-Xylenes	11.849	106	345943	38.968	ug/l	99
69) o-Xylene	12.173	106	160993	19.278	ug/l	95
70) Styrene	12.190	104	288464	20.128	ug/l	99
71) Bromoform	12.355	173	54074	19.262	ug/l	98
73) Isopropylbenzene	12.473	105	454030	19.563	ug/l	100
74) N-amyl acetate	12.279	43	100812	17.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	85901	18.720	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	59662m	18.633	ug/l	
77) Bromobenzene	12.749	156	107573	19.792	ug/l	98
78) n-propylbenzene	12.814	91	565171	19.812	ug/l	99
79) 2-Chlorotoluene	12.902	91	322397	19.526	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	401274	20.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	25899	20.256	ug/l	98
82) 4-Chlorotoluene	12.996	91	343686	20.000	ug/l	99
83) tert-Butylbenzene	13.214	119	340734	20.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	398288	20.906	ug/l	99
85) sec-Butylbenzene	13.390	105	522141	20.585	ug/l	99
86) p-Isopropyltoluene	13.508	119	428815	20.554	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	220668	20.085	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	220901	20.010	ug/l	99
89) n-Butylbenzene	13.832	91	407769	20.555	ug/l	99
90) Hexachloroethane	14.102	117	82204	19.630	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	194414	20.179	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	13876	19.411	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	123489	20.866	ug/l	99
94) Hexachlorobutadiene	15.255	225	71371	21.932	ug/l	99
95) Naphthalene	15.384	128	210486	19.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	104008	20.375	ug/l	99

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

