

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122021\
 Data File : VD071391.D
 Acq On : 20 Dec 2021 14:52
 Operator : VA/SY
 Sample : VD1220SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Quant Time: Dec 20 20:52:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2021
 Supervised By :Mahesh Dadoda 12/22/2021

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	266288	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	448292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	413362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	203184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	148841	47.636	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.280%		
35) Dibromofluoromethane	7.908	113	140241	49.127	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.260%		
50) Toluene-d8	10.332	98	471698	43.420	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.840%		
62) 4-Bromofluorobenzene	12.620	95	174069	46.225	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	43624	19.211	ug/l	99
3) Chloromethane	2.209	50	62697	20.870	ug/l	99
4) Vinyl Chloride	2.350	62	74366	22.188	ug/l	100
5) Bromomethane	2.767	94	54828	22.692	ug/l	98
6) Chloroethane	2.920	64	52630	22.830	ug/l	92
7) Trichlorofluoromethane	3.273	101	94542	20.822	ug/l	99
8) Diethyl Ether	3.709	74	23908	19.423	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.103	101	53816	20.090	ug/l	94
10) Methyl Iodide	4.303	142	39254	16.016	ug/l	91
11) Tert butyl alcohol	5.220	59	25112m	67.344	ug/l	
12) 1,1-Dichloroethene	4.067	96	46949	18.992	ug/l	92
13) Acrolein	3.920	56	12416	58.148	ug/l	97
14) Allyl chloride	4.714	41	90323	19.236	ug/l #	80
15) Acrylonitrile	5.420	53	61128	102.114	ug/l	97
16) Acetone	4.156	43	65884	100.422	ug/l	88
17) Carbon Disulfide	4.408	76	120092	16.592	ug/l	96
18) Methyl Acetate	4.720	43	49418	21.436	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	118907	19.627	ug/l	96
20) Methylene Chloride	4.967	84	97350	29.132	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	52997	19.045	ug/l	89
22) Diisopropyl ether	6.361	45	189613	20.155	ug/l	91
23) Vinyl Acetate	6.303	43	409321	98.917	ug/l	96
24) 1,1-Dichloroethane	6.267	63	112194	20.734	ug/l	99
25) 2-Butanone	7.208	43	82827	104.989	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	89402	18.170	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	61880	19.656	ug/l	91
28) Bromochloromethane	7.544	49	55119	23.453	ug/l	89
29) Tetrahydrofuran	7.561	42	49951	100.677	ug/l	92
30) Chloroform	7.708	83	114730	21.127	ug/l	96
31) Cyclohexane	7.991	56	95214	17.915	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	100196	20.551	ug/l #	92
36) 1,1-Dichloropropene	8.108	75	80429	19.196	ug/l	97
37) Ethyl Acetate	7.291	43	33452	18.483	ug/l #	77
38) Carbon Tetrachloride	8.097	117	84369	20.428	ug/l	94
39) Methylcyclohexane	9.349	83	87058	17.275	ug/l	97
40) Benzene	8.349	78	223870	19.671	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	18654	22.856	ug/l	93
42) 1,2-Dichloroethane	8.420	62	72855	20.972	ug/l	96
43) Isopropyl Acetate	8.444	43	71359	21.270	ug/l #	89
44) Trichloroethene	9.108	130	58979	19.437	ug/l	86
45) 1,2-Dichloropropane	9.379	63	62547	20.898	ug/l	98
46) Dibromomethane	9.473	93	31481	20.274	ug/l	94
47) Bromodichloromethane	9.655	83	87311	21.261	ug/l	96
48) Methyl methacrylate	9.449	41	30427	17.175	ug/l #	81
49) 1,4-Dioxane	9.455	88	6252	417.097	ug/l #	90
51) 4-Methyl-2-Pentanone	10.220	43	185759	110.512	ug/l	90
52) Toluene	10.396	92	140457	19.451	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	76959	20.383	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	90126	20.096	ug/l #	85
55) 1,1,2-Trichloroethane	10.796	97	43509	21.359	ug/l	94
56) Ethyl methacrylate	10.649	69	48066	20.404	ug/l #	67
57) 1,3-Dichloropropane	10.938	76	73552	20.554	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	155584	112.240	ug/l	97
59) 2-Hexanone	10.979	43	127243	105.875	ug/l	86
60) Dibromochloromethane	11.132	129	52777	20.846	ug/l	99
61) 1,2-Dibromoethane	11.238	107	38785	19.825	ug/l	99
64) Tetrachloroethene	10.873	164	48776	18.587	ug/l	92
65) Chlorobenzene	11.661	112	147379	19.216	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	56365	20.128	ug/l	99
67) Ethyl Benzene	11.738	91	269956	18.697	ug/l	96
68) m/p-Xylenes	11.843	106	206045	37.800	ug/l	97
69) o-Xylene	12.173	106	92290	18.014	ug/l	89
70) Styrene	12.185	104	164436	19.044	ug/l	96
71) Bromoform	12.349	173	29759	20.513	ug/l #	99
73) Isopropylbenzene	12.473	105	257761	17.520	ug/l	99
74) N-amyl acetate	12.279	43	64574	19.904	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	47536	19.620	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	40470m	20.906	ug/l	
77) Bromobenzene	12.749	156	58181	18.258	ug/l	97
78) n-propylbenzene	12.814	91	332330	18.139	ug/l	100
79) 2-Chlorotoluene	12.896	91	187676	18.251	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	218778	18.033	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	13113	19.787	ug/l #	71
82) 4-Chlorotoluene	12.996	91	192444	18.027	ug/l	98
83) tert-Butylbenzene	13.214	119	182713	17.537	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	215873	18.226	ug/l	96
85) sec-Butylbenzene	13.390	105	288238	18.113	ug/l	99
86) p-Isopropyltoluene	13.502	119	236145	18.143	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	121308	19.123	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	122870	19.550	ug/l	99
89) n-Butylbenzene	13.832	91	229940	18.098	ug/l	98
90) Hexachloroethane	14.096	117	46085	18.678	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	102434	18.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	7946	20.139	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	58839	17.486	ug/l	99
94) Hexachlorobutadiene	15.249	225	32359	16.996	ug/l	96
95) Naphthalene	15.384	128	102977	17.360	ug/l	98
96) 1,2,3-Trichlorobenzene	15.578	180	51413	17.989	ug/l	97

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

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