

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071244.D
 Acq On : 10 Dec 2021 11:45
 Operator : VA/SY
 Sample : VD1210SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Quant Time: Dec 10 15:23:17 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 12/12/2021
 Supervised By : Mahesh Dadoda 12/15/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	210345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	361207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	335976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	161493	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	125094	50.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.36%		
35) Dibromofluoromethane	7.908	113	113916	49.53	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.06%		
50) Toluene-d8	10.338	98	402177	45.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.90%		
62) 4-Bromofluorobenzene	12.626	95	147117	48.49	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.98%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	35769	19.94	ug/l	91
3) Chloromethane	2.214	50	53094	22.37	ug/l	98
4) Vinyl Chloride	2.356	62	58727	22.18	ug/l	99
5) Bromomethane	2.767	94	44159	23.14	ug/l	97
6) Chloroethane	2.926	64	40793	22.40	ug/l	93
7) Trichlorofluoromethane	3.279	101	71163	19.84	ug/l	94
8) Diethyl Ether	3.714	74	18371	18.89	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.108	101	41349	19.54	ug/l	94
10) Methyl Iodide	4.303	142	29508	15.46	ug/l	93
11) Tert butyl alcohol	5.185	59	35765	217.63	ug/l #	71
12) 1,1-Dichloroethene	4.073	96	35804	18.34	ug/l	87
13) Acrolein	3.920	56	16135	95.66	ug/l	97
14) Allyl chloride	4.714	41	65300	17.61	ug/l #	76
15) Acrylonitrile	5.420	53	52225	110.44	ug/l	98
16) Acetone	4.156	43	51229	99.33	ug/l #	81
17) Carbon Disulfide	4.414	76	105011	18.37	ug/l	99
18) Methyl Acetate	4.714	43	41238	22.65	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	94387	19.72	ug/l	100
20) Methylene Chloride	4.961	84	54908	19.50	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	42020	19.12	ug/l	93
22) Diisopropyl ether	6.361	45	144806	19.49	ug/l	94
23) Vinyl Acetate	6.308	43	323540	98.96	ug/l	97
24) 1,1-Dichloroethane	6.267	63	84655	19.81	ug/l	99
25) 2-Butanone	7.214	43	66762	106.55	ug/l #	85
26) 2,2-Dichloropropane	7.208	77	67433	17.35	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	49067	19.73	ug/l	93
28) Bromochloromethane	7.549	49	44311	23.87	ug/l	89
29) Tetrahydrofuran	7.567	42	40915	104.40	ug/l	93
30) Chloroform	7.708	83	88084	20.53	ug/l	96
31) Cyclohexane	7.985	56	76901	18.32	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	74635	19.38	ug/l	94
36) 1,1-Dichloropropene	8.108	75	62035	18.38	ug/l	99
37) Ethyl Acetate	7.285	43	28835	19.77	ug/l #	85
38) Carbon Tetrachloride	8.097	117	64454	19.37	ug/l	92
39) Methylcyclohexane	9.355	83	71429	17.59	ug/l	98
40) Benzene	8.349	78	178648	19.48	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	21532	33.09	ug/l #	70
42) 1,2-Dichloroethane	8.420	62	56731	20.27	ug/l	94
43) Isopropyl Acetate	8.449	43	56769	21.07	ug/l	90
44) Trichloroethene	9.114	130	46579	19.05	ug/l	96
45) 1,2-Dichloropropane	9.385	63	47302	19.61	ug/l	96
46) Dibromomethane	9.473	93	25009	19.99	ug/l	93
47) Bromodichloromethane	9.661	83	65329	19.74	ug/l	99
48) Methyl methacrylate	9.449	41	28941	20.27	ug/l #	80
49) 1,4-Dioxane	9.455	88	5275	436.76	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	148215	109.73	ug/l	90
52) Toluene	10.396	92	108713	18.68	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	56439	18.55	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	66887	18.51	ug/l #	81
55) 1,1,2-Trichloroethane	10.796	97	32228	19.64	ug/l	94
56) Ethyl methacrylate	10.655	69	38445	20.30	ug/l #	72
57) 1,3-Dichloropropane	10.943	76	59027	20.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	131130	117.41	ug/l	100
59) 2-Hexanone	10.979	43	99872	104.03	ug/l	87
60) Dibromochloromethane	11.132	129	40611	19.91	ug/l	99
61) 1,2-Dibromoethane	11.243	107	32122	20.38	ug/l	99
64) Tetrachloroethene	10.867	164	37866	17.75	ug/l	96
65) Chlorobenzene	11.667	112	115300	18.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	42796	18.80	ug/l	98
67) Ethyl Benzene	11.737	91	206764	17.62	ug/l	99
68) m/p-Xylenes	11.849	106	159036	35.90	ug/l	95
69) o-Xylene	12.173	106	74257	17.83	ug/l	99
70) Styrene	12.190	104	125411	17.87	ug/l	96
71) Bromoform	12.355	173	24089	20.43	ug/l #	97
73) Isopropylbenzene	12.473	105	193757	16.57	ug/l	100
74) N-amyl acetate	12.279	43	46785	18.65	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	38636	20.06	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	32752m	21.29	ug/l	
77) Bromobenzene	12.755	156	44862	17.71	ug/l	98
78) n-propylbenzene	12.814	91	251231	17.25	ug/l	99
79) 2-Chlorotoluene	12.896	91	139821	17.11	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	167370	17.36	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	10291	19.61	ug/l #	81
82) 4-Chlorotoluene	12.996	91	144328	17.01	ug/l	99
83) tert-Butylbenzene	13.214	119	137860	16.65	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	161901	17.20	ug/l	100
85) sec-Butylbenzene	13.390	105	216231	17.10	ug/l	100
86) p-Isopropyltoluene	13.502	119	170414	16.47	ug/l	96
87) 1,3-Dichlorobenzene	13.508	146	93886	18.62	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	87399	17.50	ug/l	95
89) n-Butylbenzene	13.832	91	173396	17.17	ug/l	97
90) Hexachloroethane	14.096	117	34558	17.62	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	78459	18.30	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5736	18.29	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	44263	16.55	ug/l	98
94) Hexachlorobutadiene	15.249	225	25154	16.62	ug/l	99
95) Naphthalene	15.384	128	78108	16.57	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	40240	17.71	ug/l	95

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

