

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071223.D
 Acq On : 09 Dec 2021 12:53
 Operator : VA/SY
 Sample : VD1209SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

Quant Time: Dec 10 06:43:11 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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	237199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	405167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	367109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	174728	50.00	ug/l	0.00

12/10/2021
 Supervised By : Amit Patel

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144936	52.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.14%	
35) Dibromofluoromethane	7.914	113	136614	52.95	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.90%	
50) Toluene-d8	10.338	98	483695	49.26	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.52%	
62) 4-Bromofluorobenzene	12.626	95	169547	49.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.64%	

12/14/2021

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	40272	19.91	ug/l	99
3) Chloromethane	2.215	50	57400	21.45	ug/l	92
4) Vinyl Chloride	2.356	62	63072	21.13	ug/l	97
5) Bromomethane	2.767	94	46391	21.56	ug/l	92
6) Chloroethane	2.926	64	45249	22.04	ug/l	98
7) Trichlorofluoromethane	3.279	101	81992	20.27	ug/l	90
8) Diethyl Ether	3.714	74	20453	18.65	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	45399	19.03	ug/l	96
10) Methyl Iodide	4.303	142	40846	17.94	ug/l	96
11) Tert butyl alcohol	5.197	59	29808	133.74	ug/l #	71
12) 1,1-Dichloroethene	4.073	96	40819	18.54	ug/l	88
13) Acrolein	3.914	56	18495	97.24	ug/l	99
14) Allyl chloride	4.714	41	74965	17.92	ug/l #	76
15) Acrylonitrile	5.414	53	51934	97.39	ug/l	97
16) Acetone	4.162	43	53984	94.84	ug/l #	84
17) Carbon Disulfide	4.414	76	120646	18.71	ug/l #	94
18) Methyl Acetate	4.720	43	41644	20.28	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	97334	18.04	ug/l #	90
20) Methylene Chloride	4.967	84	85316	28.59	ug/l	89
21) trans-1,2-Dichloroethene	5.479	96	45785	18.47	ug/l	91
22) Diisopropyl ether	6.361	45	156893	18.72	ug/l #	86
23) Vinyl Acetate	6.303	43	352798	96.59	ug/l	97
24) 1,1-Dichloroethane	6.267	63	95778	19.87	ug/l	98
25) 2-Butanone	7.208	43	67188	98.14	ug/l	93
26) 2,2-Dichloropropane	7.208	77	76898	17.54	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	55690	19.86	ug/l	95
28) Bromochloromethane	7.544	49	48708	23.27	ug/l	93
29) Tetrahydrofuran	7.555	42	41372	93.61	ug/l	95
30) Chloroform	7.708	83	93408	19.31	ug/l	93
31) Cyclohexane	7.985	56	87647	18.51	ug/l #	90
32) 1,1,1-Trichloroethane	7.897	97	80476	18.53	ug/l #	92
36) 1,1-Dichloropropene	8.114	75	72491	19.14	ug/l	98
37) Ethyl Acetate	7.285	43	31353	19.17	ug/l	94
38) Carbon Tetrachloride	8.091	117	70057	18.77	ug/l	97
39) Methylcyclohexane	9.349	83	78924	17.33	ug/l	95
40) Benzene	8.350	78	196840	19.14	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.508	41	17760	24.22	ug/l #	81	12/10/2021 Supervised By :Amit Patel
42) 1,2-Dichloroethane	8.420	62	60543	19.28	ug/l	93	
43) Isopropyl Acetate	8.450	43	58937	19.89	ug/l #	89	
44) Trichloroethene	9.108	130	51454	18.76	ug/l	93	12/14/2021
45) 1,2-Dichloropropane	9.385	63	49828	18.42	ug/l	98	
46) Dibromomethane	9.467	93	26140	18.63	ug/l	93	
47) Bromodichloromethane	9.655	83	70390	18.97	ug/l	97	12/14/2021
48) Methyl methacrylate	9.455	41	26743	16.70	ug/l #	79	
49) 1,4-Dioxane	9.461	88	5659	417.72	ug/l #	91	
51) 4-Methyl-2-Pentanone	10.220	43	147075	100.61	ug/l	91	12/14/2021
52) Toluene	10.396	92	124661	19.10	ug/l	95	
53) t-1,3-Dichloropropene	10.614	75	59685	17.49	ug/l	97	
54) cis-1,3-Dichloropropene	10.085	75	73003	18.01	ug/l #	81	12/14/2021
55) 1,1,2-Trichloroethane	10.796	97	34103	18.52	ug/l	94	
56) Ethyl methacrylate	10.655	69	40194	19.32	ug/l #	70	
57) 1,3-Dichloropropane	10.938	76	60850	18.81	ug/l	98	12/14/2021
58) 2-Chloroethyl Vinyl ether	9.938	63	135946	108.51	ug/l	99	
59) 2-Hexanone	10.979	43	101935	97.77	ug/l	86	
60) Dibromochloromethane	11.132	129	42837	18.72	ug/l	99	12/14/2021
61) 1,2-Dibromoethane	11.238	107	32757	18.53	ug/l	99	
64) Tetrachloroethene	10.867	164	41752	17.91	ug/l	92	
65) Chlorobenzene	11.667	112	126214	18.53	ug/l	100	12/14/2021
66) 1,1,1,2-Tetrachloroethane	11.738	131	46472	18.69	ug/l	97	
67) Ethyl Benzene	11.738	91	238514	18.60	ug/l	98	
68) m/p-Xylenes	11.849	106	173557	35.85	ug/l	96	12/14/2021
69) o-Xylene	12.173	106	80494	17.69	ug/l	95	
70) Styrene	12.190	104	140694	18.35	ug/l	97	
71) Bromoform	12.355	173	24362	18.91	ug/l #	99	12/14/2021
73) Isopropylbenzene	12.473	105	220129	17.40	ug/l	98	
74) N-amyl acetate	12.279	43	50989	18.74	ug/l #	88	
75) 1,1,2,2-Tetrachloroethane	12.720	83	39824	19.11	ug/l	98	12/14/2021
76) 1,2,3-Trichloropropane	12.773	75	27443m	16.48	ug/l		
77) Bromobenzene	12.755	156	47156	17.21	ug/l	93	
78) n-propylbenzene	12.814	91	276361	17.54	ug/l	99	12/14/2021
79) 2-Chlorotoluene	12.902	91	156832	17.74	ug/l	98	
80) 1,3,5-Trimethylbenzene	12.949	105	184903	17.72	ug/l	98	
81) trans-1,4-Dichloro-2-b...	12.520	75	9804	17.96	ug/l #	63	12/14/2021
82) 4-Chlorotoluene	12.996	91	162730	17.73	ug/l	98	
83) tert-Butylbenzene	13.214	119	152852	17.06	ug/l	95	
84) 1,2,4-Trimethylbenzene	13.261	105	178591	17.53	ug/l	99	12/14/2021
85) sec-Butylbenzene	13.390	105	240876	17.60	ug/l	98	
86) p-Isopropyltoluene	13.508	119	188536	16.84	ug/l	96	
87) 1,3-Dichlorobenzene	13.508	146	96832	17.75	ug/l	99	12/14/2021
88) 1,4-Dichlorobenzene	13.585	146	99036	18.32	ug/l	98	
89) n-Butylbenzene	13.832	91	187071	17.12	ug/l	97	
90) Hexachloroethane	14.096	117	38774	18.27	ug/l	92	12/14/2021
91) 1,2-Dichlorobenzene	13.879	146	85572	18.45	ug/l	99	
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5637	16.61	ug/l	95	
93) 1,2,4-Trichlorobenzene	15.143	180	48747	16.85	ug/l	99	12/14/2021
94) Hexachlorobutadiene	15.255	225	27103	16.55	ug/l	98	
95) Naphthalene	15.384	128	85515	16.76	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.573	180	40548	16.50	ug/l	97	

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

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 Patel

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