

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069099.D
 Acq On : 07 May 2021 13:27
 Operator : VA/SY
 Sample : VD0507SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Manual Integrations
 APPROVED

sam
 5/10/2021 11:00:45 AM

Quant Time: May 08 00:06:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	267483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	432453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	427399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	221749	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148730	43.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.28%			
35) Dibromofluoromethane	7.908	113	152979	51.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.16%			
50) Toluene-d8	10.338	98	574190	52.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.88%			
62) 4-Bromofluorobenzene	12.626	95	188293	52.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.58%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	59685	18.35	ug/l	98
3) Chloromethane	2.209	50	71684	17.91	ug/l	100
4) Vinyl Chloride	2.344	62	97021	18.33	ug/l	97
5) Bromomethane	2.738	94	64890	20.60	ug/l	96
6) Chloroethane	2.909	64	59013	19.17	ug/l	97
7) Trichlorofluoromethane	3.262	101	107212	18.44	ug/l	100
8) Diethyl Ether	3.709	74	24825	17.58	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	59415	19.09	ug/l	98
10) Methyl Iodide	4.291	142	35219	14.92	ug/l	96
11) Tert butyl alcohol	5.226	59	27548m	88.78	ug/l	
12) 1,1-Dichloroethene	4.062	96	53123	18.95	ug/l	89
13) Acrolein	3.926	56	15571	75.38	ug/l	89
14) Allyl chloride	4.714	41	56062	15.52	ug/l #	91
15) Acrylonitrile	5.420	53	53008	86.34	ug/l	95
16) Acetone	4.156	43	39894	63.99	ug/l #	86
17) Carbon Disulfide	4.397	76	172796	18.23	ug/l	100
18) Methyl Acetate	4.714	43	20388	15.19	ug/l	91
19) Methyl tert-butyl Ether	5.485	73	112034	17.49	ug/l	98
20) Methylene Chloride	4.961	84	102156	27.14	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	64450	19.35	ug/l	89
22) Diisopropyl ether	6.361	45	136642	16.95	ug/l #	90
23) Vinyl Acetate	6.303	43	352559	76.49	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	101262	17.78	ug/l #	95
25) 2-Butanone	7.214	43	54229	73.58	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	96083	18.06	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	67250	18.71	ug/l	94
28) Bromochloromethane	7.544	49	40138	17.46	ug/l	86
29) Tetrahydrofuran	7.561	42	33757	74.46	ug/l	91
30) Chloroform	7.708	83	114079	17.91	ug/l	93
31) Cyclohexane	7.985	56	82638	16.53	ug/l	85
32) 1,1,1-Trichloroethane	7.897	97	103741	17.84	ug/l	98
36) 1,1-Dichloropropene	8.114	75	84916	18.66	ug/l	96
37) Ethyl Acetate	7.291	43	26473	15.43	ug/l #	92
38) Carbon Tetrachloride	8.097	117	94166	19.08	ug/l	98
39) Methylcyclohexane	9.355	83	91988	18.49	ug/l	97
40) Benzene	8.350	78	246533	19.58	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	17425m	17.52	ug/l	
42) 1,2-Dichloroethane	8.420	62	71168	18.08	ug/l	97
43) Isopropyl Acetate	8.455	43	49738	15.46	ug/l #	90
44) Trichloroethene	9.108	130	70353	21.02	ug/l	94
45) 1,2-Dichloropropane	9.385	63	58269	18.80	ug/l	97
46) Dibromomethane	9.473	93	35271	19.80	ug/l	91
47) Bromodichloromethane	9.661	83	91678	19.57	ug/l	96
48) Methyl methacrylate	9.455	41	23074	14.55	ug/l #	79
49) 1,4-Dioxane	9.461	88	7848	380.96	ug/l #	93
51) 4-Methyl-2-Pentanone	10.226	43	133384	81.02	ug/l	94
52) Toluene	10.402	92	160169	20.05	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	76429	18.77	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	91921	19.10	ug/l #	91
55) 1,1,2-Trichloroethane	10.796	97	49559	20.95	ug/l	94
56) Ethyl methacrylate	10.655	69	47699	18.32	ug/l	89
57) 1,3-Dichloropropane	10.938	76	78045	19.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	129055	94.20	ug/l	95
59) 2-Hexanone	10.985	43	90498	81.44	ug/l	99
60) Dibromochloromethane	11.138	129	64510	20.49	ug/l	98
61) 1,2-Dibromoethane	11.243	107	45617	19.86	ug/l	95
64) Tetrachloroethene	10.873	164	57621	20.92	ug/l	92
65) Chlorobenzene	11.667	112	175699	20.14	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	68036	20.61	ug/l	95
67) Ethyl Benzene	11.743	91	289050	18.69	ug/l	98
68) m/p-Xylenes	11.849	106	231912	39.88	ug/l	96
69) o-Xylene	12.179	106	102734	19.71	ug/l	96
70) Styrene	12.191	104	182853	19.86	ug/l	96
71) Bromoform	12.355	173	36194	21.39	ug/l #	100
73) Isopropylbenzene	12.479	105	273508	17.82	ug/l	98
74) N-amyl acetate	12.285	43	46706	14.49	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	55769	18.53	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	33517m	17.36	ug/l	
77) Bromobenzene	12.755	156	69226	19.48	ug/l	92
78) n-propylbenzene	12.814	91	340484	18.06	ug/l	99
79) 2-Chlorotoluene	12.902	91	187915	17.87	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	238643	18.26	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	15351	17.30	ug/l	91
82) 4-Chlorotoluene	13.002	91	203854	18.11	ug/l	98
83) tert-Butylbenzene	13.220	119	197473	18.55	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	240150	18.40	ug/l	100
85) sec-Butylbenzene	13.396	105	277729	18.02	ug/l	96
86) p-Isopropyltoluene	13.508	119	256637	18.04	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	140103	19.65	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	134499	19.14	ug/l	97
89) n-Butylbenzene	13.837	91	233644	17.31	ug/l	99
90) Hexachloroethane	14.102	117	54123	18.51	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	120358	19.41	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8192	16.55	ug/l	86
93) 1,2,4-Trichlorobenzene	15.155	180	72888	19.82	ug/l	96
94) Hexachlorobutadiene	15.261	225	43275	20.32	ug/l	99
95) Naphthalene	15.390	128	117036	17.45	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	60823	19.15	ug/l	94

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

