

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071008.D
 Acq On : 12 Nov 2021 02:47
 Operator : VA/SY
 Sample : VD1111SBSD02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD02

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 01:14:30 2021
 Quant Title :
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	244484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	451308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	415983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	189163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	144678	55.580	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	111.160%	
35) Dibromofluoromethane	7.909	113	133741	52.517	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	105.040%	
50) Toluene-d8	10.332	98	497434	49.877	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	99.760%	
62) 4-Bromofluorobenzene	12.620	95	179473	49.979	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	99.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	38446	18.406	ug/l	100
3) Chloromethane	2.209	50	56919	22.900	ug/l	99
4) Vinyl Chloride	2.344	62	57394	24.010	ug/l	97
5) Bromomethane	2.750	94	42292	25.957	ug/l	99
6) Chloroethane	2.915	64	40474	26.363	ug/l #	87
7) Trichlorofluoromethane	3.268	101	69267	18.005	ug/l	97
8) Diethyl Ether	3.709	74	23875	18.752	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	40175	16.941	ug/l	97
10) Methyl Iodide	4.297	142	44341	19.776	ug/l	99
11) Tert butyl alcohol	5.220	59	16043	84.331	ug/l	96
12) 1,1-Dichloroethene	4.062	96	41040	17.678	ug/l	90
13) Acrolein	3.915	56	4588	75.159	ug/l	96
14) Allyl chloride	4.715	41	84785	17.533	ug/l #	81
15) Acrylonitrile	5.415	53	57884	95.010	ug/l	96
16) Acetone	4.156	43	46780	81.074	ug/l	88
17) Carbon Disulfide	4.403	76	131211	17.504	ug/l	98
18) Methyl Acetate	4.720	43	49278	22.066	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	115251	19.230	ug/l	94
20) Methylene Chloride	4.962	84	73185	24.512	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	48389	18.185	ug/l #	83
22) Diisopropyl ether	6.362	45	177538	18.468	ug/l	91
23) Vinyl Acetate	6.303	43	384968	89.711	ug/l	95
24) 1,1-Dichloroethane	6.262	63	98378	19.160	ug/l	98
25) 2-Butanone	7.209	43	71923	93.089	ug/l	94
26) 2,2-Dichloropropane	7.203	77	67923	15.674	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	56740	18.654	ug/l	93
28) Bromochloromethane	7.544	49	47809	21.952	ug/l	88
29) Tetrahydrofuran	7.556	42	48888	92.435	ug/l	93
30) Chloroform	7.709	83	93301	19.112	ug/l	96
31) Cyclohexane	7.979	56	86538	16.166	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	79641	18.995	ug/l	94
36) 1,1-Dichloropropene	8.108	75	69298	17.198	ug/l	98
37) Ethyl Acetate	7.285	43	33849	18.412	ug/l #	92
38) Carbon Tetrachloride	8.091	117	63305	17.060	ug/l	92
39) Methylcyclohexane	9.350	83	78168	15.020	ug/l	95
40) Benzene	8.344	78	205262	18.088	ug/l	100
41) Methacrylonitrile	7.514	41	19061	16.678	ug/l #	80

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.420	62	61776	19.220	ug/l	96
43) Isopropyl Acetate	8.450	43	69021	17.740	ug/l #	88
44) Trichloroethene	9.108	130	51176	17.496	ug/l	91
45) 1,2-Dichloropropane	9.379	63	54270	17.684	ug/l	99
46) Dibromomethane	9.467	93	28174	19.287	ug/l	93
47) Bromodichloromethane	9.655	83	71141	18.413	ug/l	94
48) Methyl methacrylate	9.450	41	33356	17.476	ug/l #	81
49) 1,4-Dioxane	9.461	88	6035	356.574	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	169686	89.959	ug/l	90
52) Toluene	10.397	92	126369	17.666	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	64738	16.615	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	77724	16.917	ug/l #	79
55) 1,1,2-Trichloroethane	10.791	97	36124	17.993	ug/l	92
56) Ethyl methacrylate	10.650	69	49353	17.374	ug/l #	71
57) 1,3-Dichloropropane	10.938	76	68306	18.735	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	153421	103.890	ug/l	100
59) 2-Hexanone	10.973	43	113563	88.017	ug/l	90
60) Dibromochloromethane	11.132	129	44998	18.683	ug/l	96
61) 1,2-Dibromoethane	11.238	107	36318	18.597	ug/l	99
64) Tetrachloroethene	10.867	164	44105	18.183	ug/l	98
65) Chlorobenzene	11.661	112	134428	18.112	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	48518	18.417	ug/l	97
67) Ethyl Benzene	11.738	91	245462	17.463	ug/l	100
68) m/p-Xylenes	11.844	106	186213	35.447	ug/l	98
69) o-Xylene	12.173	106	91223	18.256	ug/l	99
70) Styrene	12.185	104	150744	17.817	ug/l	98
71) Bromoform	12.349	173	23912	17.406	ug/l #	94
73) Isopropylbenzene	12.467	105	225133	16.520	ug/l	99
74) N-amyl acetate	12.279	43	62127	15.958	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	42608	18.165	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	30837m	19.084	ug/l	
77) Bromobenzene	12.749	156	50558	17.364	ug/l	94
78) n-propylbenzene	12.808	91	280622	16.619	ug/l	100
79) 2-Chlorotoluene	12.896	91	165656	17.206	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	187816	16.739	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	11136	15.740	ug/l #	86
82) 4-Chlorotoluene	12.991	91	170643	17.173	ug/l	100
83) tert-Butylbenzene	13.208	119	160023	16.556	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	188395	17.145	ug/l	100
85) sec-Butylbenzene	13.391	105	240174	16.528	ug/l	98
86) p-Isopropyltoluene	13.502	119	196393	16.832	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	103187	18.125	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	102736	18.024	ug/l	97
89) n-Butylbenzene	13.826	91	186317	15.889	ug/l	99
90) Hexachloroethane	14.096	117	38300	16.588	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	88096	17.858	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	6451	16.769	ug/l	96
93) 1,2,4-Trichlorobenzene	15.138	180	54060	17.128	ug/l	99
94) Hexachlorobutadiene	15.249	225	27501	17.277	ug/l	99
95) Naphthalene	15.385	128	104379	17.320	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	48208	18.166	ug/l	98

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