

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039041.D
 Acq On : 13 May 2022 17:35
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 14 00:54:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 14 00:54:36 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2022
 Supervised By : Mahesh Dadoda 05/17/2022

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

Internal Standards						
1) Bromochloromethane	5.652	49	888018	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.153	114	2194016	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	1832376	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1454181	10.021	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	78173	0.562	ppbv	94
3) Chlorodifluoromethane	2.980	51	51116	0.464	ppbv	100
4) Chloromethane	3.140	50	29282m	0.531	ppbv	
5) Vinyl Chloride	3.253	62	21891m	0.434	ppbv	
6) Bromomethane	3.462	94	11629m	0.489	ppbv	
7) Chloroethane	3.552	64	10142m	0.601	ppbv	
8) Dichlorotetrafluoroethane	3.179	85	59095	0.469	ppbv	91
9) Propene	3.002	41	24579	0.511	ppbv	93
10) Heptane	8.102	43	45402	0.385	ppbv	95
11) Trichlorofluoromethane	3.941	101	48687	0.408	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.472	101	39924	0.485	ppbv	98
13) Ethanol	3.607	45	3369m	0.989	ppbv	
14) Bromoethene	3.732	108	16179m	0.477	ppbv	
15) Acetone	3.854	43	51538m	0.615	ppbv	
16) 1,3-Butadiene	3.317	39	22512m	0.468	ppbv	
17) tert-Butyl alcohol	4.292	59	31491m	0.489	ppbv	
18) 1,1-Dichloroethene	4.279	96	16667	0.471	ppbv #	72
19) Isopropyl Alcohol	3.970	45	21333m	0.536	ppbv	
20) Methylene Chloride	4.333	84	19935m	0.631	ppbv	
21) Allyl Chloride	4.404	41	27035m	0.474	ppbv	
22) trans-1,2-Dichloroethene	4.877	96	17851m	0.467	ppbv	
23) Vinyl Acetate	5.063	43	30184m	0.455	ppbv	
24) 1,1-Dichloroethane	4.996	63	35368m	0.463	ppbv	
25) Ethyl Acetate	5.671	43	85434	0.426	ppbv #	96
26) Hexane	5.674	57	40507m	0.455	ppbv	
27) Carbon Disulfide	4.542	76	33057m	0.391	ppbv	
28) Methyl tert-Butyl Ether	5.031	73	33025	0.487	ppbv	91
29) Chloroform	5.735	83	59726	0.414	ppbv	87
30) Cyclohexane	7.115	84	33866m	0.454	ppbv	
31) cis-1,2-Dichloroethene	5.533	61	33240	0.366	ppbv	96
32) 1,1,1-Trichloroethane	6.491	97	58097	0.403	ppbv	94
34) 2-Butanone	5.240	43	55620m	0.497	ppbv	
35) Carbon Tetrachloride	7.005	117	57522m	0.398	ppbv	
36) Benzene	6.877	78	77703m	0.414	ppbv	
37) 1,2-Dichloroethane	6.285	62	47339	0.407	ppbv	97
38) Trichloroethene	7.816	130	34534m	0.414	ppbv	
39) 1,2-Dichloropropane	7.590	63	32456m	0.444	ppbv	
40) 1,4-Dioxane	7.844	88	10887m	0.415	ppbv	
41) Tetrahydrofuran	6.060	42	21314	0.283	ppbv #	79
42) Bromodichloromethane	7.774	83	62439m	0.393	ppbv	
43) Methyl Methacrylate	7.996	69	24418m	0.320	ppbv	
44) 2,2,4-Trimethylpentane	7.848	57	133182	0.404	ppbv	96
45) t-1,3-Dichloropropene	9.266	75	16876	0.229	ppbv	99

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46) cis-1,3-Dichloropropene	8.684	75	30661m	0.313	ppbv	
47) 1,1,2-Trichloroethane	9.452	97	32163m	0.423	ppbv	
48) Dibromochloromethane	10.282	129	37102	0.300	ppbv	93
49) Bromoform	13.015	173	30004m	0.318	ppbv	
50) 4-Methyl-2-Pentanone	8.742	43	71517m	0.364	ppbv	
51) 2-Hexanone	10.131	43	48310m	0.337	ppbv	
52) Tetrachloroethene	11.188	164	27564m	0.411	ppbv	
53) Toluene	9.780	91	75063	0.357	ppbv	93
54) 1,2-Dibromoethane	10.590	107	37674m	0.364	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.102	131	34685m	0.431	ppbv	
57) Chlorobenzene	12.118	112	64326m	0.468	ppbv	
58) Ethyl Benzene	12.690	91	109240	0.414	ppbv	94
59) m/p-Xylene	12.973	91	184704m	0.820	ppbv	
60) o-Xylene	13.667	91	91387m	0.431	ppbv	
61) Styrene	13.497	104	41949m	0.371	ppbv	
62) Isopropylbenzene	14.642	105	131296	0.424	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.651	83	56875m	0.456	ppbv	
64) n-propylbenzene	15.539	120	30106m	0.402	ppbv	
65) tert-Butylbenzene	16.719	119	118726m	0.437	ppbv	
66) Benzyl Chloride	16.963	91	8638m	0.243	ppbv	
67) sec-Butylbenzene	17.265	105	168373m	0.434	ppbv	
69) p-Isopropyltoluene	17.625	119	124212	0.396	ppbv	94
70) n-Butylbenzene	18.526	91	129179	0.388	ppbv	99
71) 2-Chlorotoluene	15.426	91	104764	0.439	ppbv	99
72) 4-Ethyltoluene	15.809	105	98001m	0.406	ppbv	
73) 1,3,5-Trimethylbenzene	15.973	105	88445	0.407	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.732	105	98318	0.413	ppbv	95
75) 1,3-Dichlorobenzene	16.970	146	55673	0.427	ppbv	93
76) 1,4-Dichlorobenzene	17.114	146	54286m	0.423	ppbv	
77) 1,2-Dichlorobenzene	17.789	146	55959m	0.434	ppbv	
78) Hexachloro-1,3-Butadiene	23.345	225	54786m	0.462	ppbv	
79) Naphthalene	22.165	128	64381m	0.333	ppbv	
80) Naphthalene,2-methyl-	24.976	142	15067m	0.258	ppbv	
81) 1,2,4-Trichlorobenzene	21.892	180	42191m	0.372	ppbv	

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

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