

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038869.D
 Acq On : 11 Apr 2022 10:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 12 02:47:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

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

Internal Standards						
1) Bromochloromethane	5.655	49	1286773	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	3522633	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	3368622	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	2731510	10.690	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.047	85	2292863	12.562	ppbv	96
3) Chlorodifluoromethane	2.989	51	1458278	9.286	ppbv	98
4) Chloromethane	3.137	50	702633	8.641	ppbv	97
5) Vinyl Chloride	3.256	62	673069	8.958	ppbv	97
6) Bromomethane	3.472	94	326493	8.981	ppbv	93
7) Chloroethane	3.552	64	226122	9.025	ppbv	98
8) Dichlorotetrafluoroethane	3.185	85	1593508	9.346	ppbv	98
9) Propene	3.009	41	710694	8.554	ppbv	96
10) Heptane	8.108	43	1843682	8.809	ppbv	99
11) Trichlorofluoromethane	3.947	101	1538929	10.493	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.478	101	1172312	10.435	ppbv	94
13) Ethanol	3.600	45	48567m	9.619	ppbv	
14) Bromoethene	3.735	108	476760	9.650	ppbv	96
15) Acetone	3.841	43	1168868	9.124	ppbv	97
16) 1,3-Butadiene	3.324	39	662062	9.040	ppbv	100
17) tert-Butyl alcohol	4.275	59	953941	8.304	ppbv	99
18) 1,1-Dichloroethene	4.285	96	517025	10.096	ppbv	94
19) Isopropyl Alcohol	3.957	45	581971	8.888	ppbv #	100
20) Methylene Chloride	4.337	84	436507	9.395	ppbv	98
21) Allyl Chloride	4.404	41	881020	9.185	ppbv	99
22) trans-1,2-Dichloroethene	4.877	96	564057	10.878	ppbv	95
23) Vinyl Acetate	5.063	43	1303686	10.450	ppbv	99
24) 1,1-Dichloroethane	5.002	63	1122522	9.957	ppbv	99
25) Ethyl Acetate	5.664	43	2940185	9.045	ppbv	99
26) Hexane	5.677	57	1293786	8.744	ppbv	99
27) Carbon Disulfide	4.542	76	1406813	10.368	ppbv	99
28) Methyl tert-Butyl Ether	5.025	73	1060038	9.276	ppbv	100
29) Chloroform	5.745	83	1989746	9.612	ppbv	99
30) Cyclohexane	7.118	84	1140564	8.746	ppbv	99
31) cis-1,2-Dichloroethene	5.539	61	1094577	8.046	ppbv	99
32) 1,1,1-Trichloroethane	6.500	97	2031782	9.741	ppbv	100
34) 2-Butanone	5.234	43	1330019	9.555	ppbv	98
35) Carbon Tetrachloride	7.005	117	2054847	9.730	ppbv	97
36) Benzene	6.877	78	2871566	8.961	ppbv	99
37) 1,2-Dichloroethane	6.295	62	1498861	10.230	ppbv	99
38) Trichloroethene	7.822	130	1139400	8.665	ppbv	95
39) 1,2-Dichloropropane	7.600	63	1112831	9.079	ppbv	98
40) 1,4-Dioxane	7.812	88	356652	8.569	ppbv #	92
41) Tetrahydrofuran	6.034	42	1162987	8.797	ppbv	98
42) Bromodichloromethane	7.777	83	2285583	9.879	ppbv	97
43) Methyl Methacrylate	7.996	69	1189497	9.691	ppbv	99
44) 2,2,4-Trimethylpentane	7.854	57	4739353	8.735	ppbv	100
45) t-1,3-Dichloropropene	9.262	75	1229993	9.584	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1563032	9.237	ppbv	99
47) 1,1,2-Trichloroethane	9.459	97	1149482	9.152	ppbv	97
48) Dibromochloromethane	10.285	129	1903235	9.668	ppbv	98
49) Bromoform	13.018	173	1508548	9.676	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	2902322	9.270	ppbv	98
51) 2-Hexanone	10.111	43	2280504	9.667	ppbv #	100
52) Tetrachloroethene	11.204	164	940698	8.404	ppbv	95
53) Toluene	9.786	91	3283464	8.876	ppbv	100
54) 1,2-Dibromoethane	10.590	107	1651796	9.468	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.105	131	1295807	8.778	ppbv #	61
57) Chlorobenzene	12.124	112	2329281	8.443	ppbv	96
58) Ethyl Benzene	12.687	91	4443966	8.829	ppbv	96
59) m/p-Xylene	12.973	91	7342565m	17.363	ppbv	
60) o-Xylene	13.667	91	3446750	8.710	ppbv	95
61) Styrene	13.507	104	2145189	8.898	ppbv	97
62) Isopropylbenzene	14.645	105	5007912	8.431	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.655	83	2181837	8.705	ppbv	100
64) n-propylbenzene	15.539	120	1303907	8.455	ppbv	89
65) tert-Butylbenzene	16.719	119	4251119	8.067	ppbv	95
66) Benzyl Chloride	16.963	91	659218	6.145	ppbv	95
67) sec-Butylbenzene	17.269	105	6211587	8.400	ppbv	98
69) p-Isopropyltoluene	17.625	119	5130687	8.450	ppbv	98
70) n-Butylbenzene	18.522	91	5581932	9.126	ppbv	98
71) 2-Chlorotoluene	15.426	91	3955425	8.856	ppbv	96
72) 4-Ethyltoluene	15.815	105	4163245	8.811	ppbv	98
73) 1,3,5-Trimethylbenzene	15.970	105	3762419	8.864	ppbv	94
74) 1,2,4-Trimethylbenzene	16.738	105	3865062	8.613	ppbv	98
75) 1,3-Dichlorobenzene	16.973	146	2187957	8.398	ppbv	98
76) 1,4-Dichlorobenzene	17.114	146	2177171	8.483	ppbv	98
77) 1,2-Dichlorobenzene	17.789	146	2160857	8.414	ppbv	99
78) Hexachloro-1,3-Butadiene	23.345	225	1527363	7.527	ppbv	99
79) Naphthalene	22.159	128	3031336	9.031	ppbv	99
80) Naphthalene,2-methyl-	24.943	142	610012	7.375	ppbv	99
81) 1,2,4-Trichlorobenzene	21.895	180	1676166m	8.532	ppbv	

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

