

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038892.D
 Acq On : 12 Apr 2022 15:08
 Operator : SY/AP
 Sample : VL0412ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Quant Time: Apr 13 01:17:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 13 01:17:31 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	5.664	49	1124730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3066296	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2815749m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2226510	10.425	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	1683903	10.555	ppbv	100
3) Chlorodifluoromethane	2.989	51	1396653	10.175	ppbv	98
4) Chloromethane	3.140	50	695275	9.782	ppbv	93
5) Vinyl Chloride	3.259	62	660738	10.061	ppbv	98
6) Bromomethane	3.472	94	308426	9.707	ppbv	99
7) Chloroethane	3.558	64	218089	9.958	ppbv	98
8) Dichlorotetrafluoroethane	3.189	85	1564672	10.499	ppbv	95
9) Propene	3.012	41	676245	9.312	ppbv	97
10) Heptane	8.118	43	1744474	9.536	ppbv	98
11) Trichlorofluoromethane	3.951	101	1401412	10.932	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.481	101	1042189	10.613	ppbv	96
13) Ethanol	3.607	45	38965m	8.829	ppbv	
14) Bromoethene	3.742	108	452623	10.481	ppbv	95
15) Acetone	3.848	43	1055145	9.423	ppbv	100
16) 1,3-Butadiene	3.330	39	625637	9.773	ppbv	99
17) tert-Butyl alcohol	4.279	59	850223	8.467	ppbv	99
18) 1,1-Dichloroethene	4.288	96	444499	9.930	ppbv	97
19) Isopropyl Alcohol	3.960	45	569084	9.944	ppbv #	100
20) Methylene Chloride	4.343	84	387538	9.543	ppbv	93
21) Allyl Chloride	4.410	41	806076	9.614	ppbv	98
22) trans-1,2-Dichloroethene	4.880	96	503130	11.101	ppbv	98
23) Vinyl Acetate	5.070	43	1083721	9.938	ppbv	99
24) 1,1-Dichloroethane	5.008	63	997554	10.123	ppbv	99
25) Ethyl Acetate	5.674	43	2880034	10.136	ppbv	99
26) Hexane	5.687	57	1244199	9.621	ppbv	99
27) Carbon Disulfide	4.549	76	1240956	10.463	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	950751	9.518	ppbv	98
29) Chloroform	5.751	83	1919969	10.611	ppbv	99
30) Cyclohexane	7.127	84	1074397	9.426	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1249830	10.510	ppbv	99
32) 1,1,1-Trichloroethane	6.510	97	1898516	10.414	ppbv	99
34) 2-Butanone	5.240	43	1209820	9.985	ppbv	99
35) Carbon Tetrachloride	7.015	117	1935829	10.531	ppbv	99
36) Benzene	6.889	78	2699999	9.679	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1470317	11.529	ppbv	97
38) Trichloroethene	7.835	130	1074055	9.384	ppbv	97
39) 1,2-Dichloropropane	7.610	63	1054859	9.887	ppbv	96
40) 1,4-Dioxane	7.825	88	365209	10.080	ppbv #	4
41) Tetrahydrofuran	6.044	42	1135934	9.871	ppbv	99
42) Bromodichloromethane	7.790	83	2182460	10.837	ppbv	99
43) Methyl Methacrylate	8.008	69	1125833	10.538	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	4456199	9.436	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	1229232	11.004	ppbv	99

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 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	8.696	75	1519773	10.318	ppbv	95
47) 1,1,2-Trichloroethane	9.471	97	1089538	9.966	ppbv	98
48) Dibromochloromethane	10.301	129	1785381	10.420	ppbv	99
49) Bromoform	13.037	173	1435765	10.579	ppbv	99
50) 4-Methyl-2-Pentanone	8.735	43	2796515	10.261	ppbv	99
51) 2-Hexanone	10.127	43	2212483	10.774	ppbv #	99
52) Tetrachloroethene	11.220	164	882185	9.054	ppbv	95
53) Toluene	9.802	91	3117951	9.683	ppbv	99
54) 1,2-Dibromoethane	10.606	107	1578799	10.396	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.117	131	1240692	10.055	ppbv	98
57) Chlorobenzene	12.143	112	2180129	9.454	ppbv	98
58) Ethyl Benzene	12.706	91	4167093	9.904	ppbv	95
59) m/p-Xylene	12.989	91	6927621m	19.598	ppbv	
60) o-Xylene	13.690	91	3272529	9.894	ppbv	95
61) Styrene	13.523	104	2029340	10.070	ppbv	98
62) Isopropylbenzene	14.664	105	4733542	9.534	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.670	83	2034984	9.714	ppbv	99
64) n-propylbenzene	15.558	120	1211256	9.396	ppbv	84
65) tert-Butylbenzene	16.735	119	3998176	9.077	ppbv	95
66) Benzyl Chloride	16.982	91	773831	8.629	ppbv	94
67) sec-Butylbenzene	17.288	105	5869991	9.497	ppbv	98
69) p-Isopropyltoluene	17.648	119	4786777	9.432	ppbv	98
70) n-Butylbenzene	18.542	91	5232608	10.234	ppbv	98
71) 2-Chlorotoluene	15.445	91	3699882	9.911	ppbv	96
72) 4-Ethyltoluene	15.834	105	3933640	9.959	ppbv	98
73) 1,3,5-Trimethylbenzene	15.989	105	3502488	9.871	ppbv	93
74) 1,2,4-Trimethylbenzene	16.757	105	3642596	9.711	ppbv	98
75) 1,3-Dichlorobenzene	16.989	146	2056135	9.441	ppbv	98
76) 1,4-Dichlorobenzene	17.133	146	2019176	9.412	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	2048947	9.544	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1451087	8.555	ppbv	99
79) Naphthalene	22.185	128	3043762	10.848	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	820264	11.864	ppbv	97
81) 1,2,4-Trichlorobenzene	21.915	180	1649281	10.044	ppbv	98

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

