

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038871.D
 Acq On : 11 Apr 2022 15:07
 Operator : SY/AP
 Sample : VL0411ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

Quant Time: Apr 12 02:49:03 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 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	5.661	49	1278393	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3334140	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	3107989m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2546901	10.803	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 108.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.051	85	1839207	10.143	ppbv	99
3) Chlorodifluoromethane	2.989	51	1469051	9.416	ppbv	97
4) Chloromethane	3.141	50	714296	8.842	ppbv	97
5) Vinyl Chloride	3.256	62	691096	9.258	ppbv	98
6) Bromomethane	3.475	94	343911	9.522	ppbv	96
7) Chloroethane	3.555	64	235016	9.441	ppbv	96
8) Dichlorotetrafluoroethane	3.189	85	1641108	9.688	ppbv	94
9) Propene	3.009	41	691378	8.376	ppbv	95
10) Heptane	8.115	43	1789126	8.605	ppbv	98
11) Trichlorofluoromethane	3.948	101	1481480	10.167	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.485	101	1112109	9.964	ppbv	94
13) Ethanol	3.597	45	51824m	10.331	ppbv	
14) Bromoethene	3.739	108	473497	9.646	ppbv	96
15) Acetone	3.845	43	1178687	9.261	ppbv	100
16) 1,3-Butadiene	3.327	39	648111	8.907	ppbv	98
17) tert-Butyl alcohol	4.279	59	871272	7.634	ppbv	99
18) 1,1-Dichloroethene	4.288	96	484000	9.513	ppbv	98
19) Isopropyl Alcohol	3.957	45	583042	8.963	ppbv #	100
20) Methylene Chloride	4.340	84	417864	9.053	ppbv	94
21) Allyl Chloride	4.411	41	842916	8.845	ppbv	98
22) trans-1,2-Dichloroethene	4.880	96	528383	10.257	ppbv	94
23) Vinyl Acetate	5.067	43	1183387	9.547	ppbv	98
24) 1,1-Dichloroethane	5.005	63	1065239	9.510	ppbv	98
25) Ethyl Acetate	5.668	43	2930885	9.075	ppbv	99
26) Hexane	5.684	57	1316435	8.956	ppbv	97
27) Carbon Disulfide	4.546	76	1300900	9.650	ppbv	98
28) Methyl tert-Butyl Ether	5.028	73	1016290	8.952	ppbv	98
29) Chloroform	5.748	83	2043240	9.935	ppbv	97
30) Cyclohexane	7.121	84	1129657	8.719	ppbv	99
31) cis-1,2-Dichloroethene	5.542	61	1310600	9.697	ppbv	98
32) 1,1,1-Trichloroethane	6.504	97	2048519	9.886	ppbv	99
34) 2-Butanone	5.237	43	1263161	9.588	ppbv	98
35) Carbon Tetrachloride	7.012	117	2043353	10.223	ppbv	98
36) Benzene	6.883	78	2777934	9.159	ppbv	97
37) 1,2-Dichloroethane	6.301	62	1568932	11.314	ppbv	96
38) Trichloroethene	7.825	130	1079298	8.672	ppbv	95
39) 1,2-Dichloropropane	7.607	63	1101703	9.496	ppbv	96
40) 1,4-Dioxane	7.819	88	359562	9.127	ppbv #	1
41) Tetrahydrofuran	6.041	42	1121543	8.963	ppbv	98
42) Bromodichloromethane	7.783	83	2303417	10.518	ppbv	99
43) Methyl Methacrylate	8.005	69	1151861	9.915	ppbv	99
44) 2,2,4-Trimethylpentane	7.861	57	4652309	9.060	ppbv	100
45) t-1,3-Dichloropropene	9.266	75	1221225	10.054	ppbv	100

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1537396	9.600	ppbv	98
47) 1,1,2-Trichloroethane	9.465	97	1119340	9.416	ppbv	98
48) Dibromochloromethane	10.291	129	1840721	9.880	ppbv	98
49) Bromoform	13.028	173	1470924	9.968	ppbv	99
50) 4-Methyl-2-Pentanone	8.729	43	2880127	9.719	ppbv	99
51) 2-Hexanone	10.118	43	2263444	10.137	ppbv #	99
52) Tetrachloroethene	11.208	164	902216	8.516	ppbv	96
53) Toluene	9.796	91	3170098	9.054	ppbv	100
54) 1,2-Dibromoethane	10.600	107	1606299	9.728	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.115	131	1264346	9.283	ppbv	96
57) Chlorobenzene	12.137	112	2208640	8.677	ppbv	95
58) Ethyl Benzene	12.700	91	4282150	9.220	ppbv	93
59) m/p-Xylene	12.983	91	7205153m	18.466	ppbv	
60) o-Xylene	13.680	91	3314938	9.079	ppbv	96
61) Styrene	13.513	104	2035077	9.149	ppbv	97
62) Isopropylbenzene	14.655	105	4836242	8.825	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.664	83	2163641	9.357	ppbv	99
64) n-propylbenzene	15.548	120	1256331	8.829	ppbv	84
65) tert-Butylbenzene	16.732	119	4157116	8.550	ppbv	94
66) Benzyl Chloride	16.973	91	645046	6.517	ppbv	95
67) sec-Butylbenzene	17.282	105	6104222	8.947	ppbv	98
69) p-Isopropyltoluene	17.638	119	4981340	8.892	ppbv	97
70) n-Butylbenzene	18.535	91	5476911	9.705	ppbv	98
71) 2-Chlorotoluene	15.439	91	3833640	9.303	ppbv	96
72) 4-Ethyltoluene	15.825	105	4066887	9.328	ppbv	97
73) 1,3,5-Trimethylbenzene	15.983	105	3630846	9.271	ppbv	96
74) 1,2,4-Trimethylbenzene	16.748	105	3820293	9.228	ppbv	96
75) 1,3-Dichlorobenzene	16.982	146	2164008	9.002	ppbv	100
76) 1,4-Dichlorobenzene	17.124	146	2095804	8.851	ppbv	100
77) 1,2-Dichlorobenzene	17.802	146	2096207	8.846	ppbv	99
78) Hexachloro-1,3-Butadiene	23.358	225	1472590	7.865	ppbv	99
79) Naphthalene	22.175	128	3038841	9.812	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	689301	9.032	ppbv	96
81) 1,2,4-Trichlorobenzene	21.908	180	1658971	9.153	ppbv	100

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

Manual Integrations

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