

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039769.D
 Acq On : 24 Oct 2022 22:52
 Operator : SY/AP
 Sample : VL1024ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 23:27:14 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	987775	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2569173	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2592112m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1743575 9.456 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1073462	10.379	ppbv	99
3) Chlorodifluoromethane	2.694	51	1102764	9.294	ppbv	99
4) Chloromethane	2.832	50	703195	9.467	ppbv	99
5) Vinyl Chloride	2.938	62	600624	9.749	ppbv	99
6) Bromomethane	3.137	94	193494	8.742	ppbv	99
7) Chloroethane	3.214	64	215416	9.736	ppbv	92
8) Dichlorotetrafluoroethane	2.877	85	1355300	10.038	ppbv	99
9) Propene	2.713	41	511340	10.030	ppbv	95
10) Heptane	7.581	43	1297367	10.629	ppbv	99
11) Trichlorofluoromethane	3.578	101	1403114	9.710	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	1085341	9.685	ppbv	100
13) Ethanol	3.259	45	29115	7.952	ppbv	87
14) Bromoethene	3.382	108	442487	9.950	ppbv	96
15) Acetone	3.485	43	1051356	8.911	ppbv	99
16) 1,3-Butadiene	3.002	39	567785	9.737	ppbv	99
17) tert-Butyl alcohol	3.890	59	885134	9.198	ppbv	98
18) 1,1-Dichloroethene	3.893	96	484401	9.823	ppbv	99
19) Isopropyl Alcohol	3.591	45	551696	9.980	ppbv #	97
20) Methylene Chloride	3.944	84	402789	8.974	ppbv	99
21) Allyl Chloride	4.009	41	737990	9.664	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	485986	9.487	ppbv	98
23) Vinyl Acetate	4.636	43	424097	9.325	ppbv	99
24) 1,1-Dichloroethane	4.575	63	985323	9.303	ppbv	100
25) Ethyl Acetate	5.214	43	2325353	10.081	ppbv	99
26) Hexane	5.221	57	961462	10.024	ppbv	99
27) Carbon Disulfide	4.137	76	1168995	10.267	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	762095	9.133	ppbv	99
29) Chloroform	5.282	83	1455811	9.655	ppbv	96
30) Cyclohexane	6.603	84	805542	10.250	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	909960	9.829	ppbv	98
32) 1,1,1-Trichloroethane	6.009	97	1382491	10.102	ppbv	99
34) 2-Butanone	4.796	43	1188643	9.834	ppbv	99
35) Carbon Tetrachloride	6.497	117	1493054	10.193	ppbv	99
36) Benzene	6.375	78	1971907	9.966	ppbv	100
37) 1,2-Dichloroethane	5.812	62	1070200	9.960	ppbv	99
38) Trichloroethene	7.291	130	1156748	10.356	ppbv	97
39) 1,2-Dichloropropane	7.076	63	748365	9.818	ppbv	95
40) 1,4-Dioxane	7.285	88	290636	11.186	ppbv #	100
41) Tetrahydrofuran	5.565	42	802640	10.688	ppbv	99
42) Bromodichloromethane	7.250	83	1561920	10.322	ppbv	97
43) Methyl Methacrylate	7.478	69	783022	11.364	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3365559	10.174	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	696446	11.897	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	965813	11.498	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	817503	10.017	ppbv	98
48) Dibromochloromethane	9.706	129	1332970	10.145	ppbv	100
49) Bromoform	12.397	173	1082437	10.115	ppbv	97
50) 4-Methyl-2-Pentanone	8.182	43	2121938	11.189	ppbv	99
51) 2-Hexanone	9.549	43	1640049	11.813	ppbv #	99
52) Tetrachloroethene	10.613	164	731007	9.863	ppbv	97
53) Toluene	9.221	91	2299117	11.091	ppbv	100
54) 1,2-Dibromoethane	10.005	107	905014	10.923	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	977310	8.910	ppbv	97
57) Chlorobenzene	11.523	112	1728066	8.691	ppbv	98
58) Ethyl Benzene	12.082	91	2969637	10.056	ppbv	100
59) m/p-Xylene	12.368	91	5085030m	19.079	ppbv	
60) o-Xylene	13.057	91	2406824	9.631	ppbv	100
61) Styrene	12.893	104	1419318	10.814	ppbv	99
62) Isopropylbenzene	14.024	105	3494652	9.153	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	821925	7.819	ppbv	99
64) n-propylbenzene	14.912	120	895519	9.262	ppbv	96
65) tert-Butylbenzene	16.085	119	3007170	9.039	ppbv	99
66) Benzyl Chloride	16.323	91	175577	7.439	ppbv	98
67) sec-Butylbenzene	16.629	105	4194883	8.951	ppbv	100
69) p-Isopropyltoluene	16.989	119	3442352	9.080	ppbv	99
70) n-Butylbenzene	17.879	91	3402902	9.387	ppbv	100
71) 2-Chlorotoluene	14.796	91	2516353	9.489	ppbv	99
72) 4-Ethyltoluene	15.188	105	2755709	9.572	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2457568	9.539	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	2618747	8.975	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	1542705	8.712	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	1492230	8.835	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1473414	8.725	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1068927	8.306	ppbv	100
79) Naphthalene	21.371	128	2150233	12.051	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	527104	8.700	ppbv	96
81) 1,2,4-Trichlorobenzene	21.130	180	1209774	10.259	ppbv	98

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

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