

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038821.D
 Acq On : 5 Apr 2022 22:29
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 06 06:27:04 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

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

Internal Standards						
1) Bromochloromethane	5.664	49	1429450	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3866838	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3540847	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2762928 10.287 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	2085718	10.287	ppbv	99
3) Chlorodifluoromethane	2.993	51	1655398	9.489	ppbv	100
4) Chloromethane	3.144	50	862649	9.550	ppbv	99
5) Vinyl Chloride	3.259	62	787433	9.434	ppbv	98
6) Bromomethane	3.478	94	381088	9.437	ppbv	96
7) Chloroethane	3.558	64	261396	9.391	ppbv	97
8) Dichlorotetrafluoroethane	3.192	85	1772176	9.357	ppbv	99
9) Propene	3.012	41	873682	9.466	ppbv	99
10) Heptane	8.121	43	2177088	9.364	ppbv	98
11) Trichlorofluoromethane	3.951	101	1616223	9.920	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.484	101	1182688	9.477	ppbv	98
13) Ethanol	3.607	45	57851m	10.314	ppbv	
14) Bromoethene	3.742	108	538406	9.810	ppbv	95
15) Acetone	3.848	43	1282133	9.009	ppbv	100
16) 1,3-Butadiene	3.330	39	750941	9.230	ppbv	98
17) tert-Butyl alcohol	4.285	59	1213072	9.505	ppbv	100
18) 1,1-Dichloroethene	4.288	96	543623	9.555	ppbv	94
19) Isopropyl Alcohol	3.964	45	647763	8.906	ppbv #	100
20) Methylene Chloride	4.346	84	452856	8.774	ppbv	95
21) Allyl Chloride	4.414	41	981339	9.210	ppbv	98
22) trans-1,2-Dichloroethene	4.883	96	573419	9.955	ppbv	96
23) Vinyl Acetate	5.070	43	1330124	9.597	ppbv	99
24) 1,1-Dichloroethane	5.009	63	1194499m	9.537	ppbv	
25) Ethyl Acetate	5.674	43	3459260	9.580	ppbv	99
26) Hexane	5.687	57	1545578	9.403	ppbv	98
27) Carbon Disulfide	4.552	76	1491168	9.893	ppbv	98
28) Methyl tert-Butyl Ether	5.034	73	1189956	9.374	ppbv	99
29) Chloroform	5.751	83	2246317	9.768	ppbv	97
30) Cyclohexane	7.127	84	1353669	9.344	ppbv	97
31) cis-1,2-Dichloroethene	5.549	61	1470780	9.732	ppbv	98
32) 1,1,1-Trichloroethane	6.510	97	2263002	9.767	ppbv	99
34) 2-Butanone	5.240	43	1563508	10.233	ppbv	100
35) Carbon Tetrachloride	7.015	117	2317680	9.998	ppbv	97
36) Benzene	6.889	78	3308249	9.404	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1627984	10.122	ppbv	100
38) Trichloroethene	7.832	130	1319802	9.144	ppbv	97
39) 1,2-Dichloropropane	7.613	63	1302557	9.681	ppbv	98
40) 1,4-Dioxane	7.825	88	408556	8.942	ppbv #	99
41) Tetrahydrofuran	6.047	42	1383719	9.535	ppbv	100
42) Bromodichloromethane	7.790	83	2602960	10.249	ppbv	98
43) Methyl Methacrylate	8.008	69	1380159	10.244	ppbv	97
44) 2,2,4-Trimethylpentane	7.867	57	5483230	9.207	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	1464766	10.397	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1862929	10.030	ppbv	99
47) 1,1,2-Trichloroethane	9.471	97	1326976	9.625	ppbv	96
48) Dibromochloromethane	10.301	129	2150758	9.953	ppbv	98
49) Bromoform	13.037	173	1709734	9.990	ppbv	100
50) 4-Methyl-2-Pentanone	8.735	43	3414291	9.934	ppbv	99
51) 2-Hexanone	10.124	43	2681728	10.356	ppbv	100
52) Tetrachloroethene	11.217	164	1096756	8.926	ppbv	94
53) Toluene	9.803	91	3845345	9.469	ppbv	100
54) 1,2-Dibromoethane	10.606	107	1921109	10.032	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.124	131	1474699	9.504	ppbv	99
57) Chlorobenzene	12.143	112	2697175	9.301	ppbv	98
58) Ethyl Benzene	12.706	91	5043743	9.533	ppbv	97
59) m/p-Xylene	12.992	91	8309913m	18.694	ppbv	
60) o-Xylene	13.687	91	3900031	9.376	ppbv	98
61) Styrene	13.523	104	2507302	9.894	ppbv	100
62) Isopropylbenzene	14.661	105	5767088	9.237	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.667	83	2496788	9.477	ppbv	100
64) n-propylbenzene	15.555	120	1543527	9.522	ppbv	95
65) tert-Butylbenzene	16.738	119	4941578	8.921	ppbv	98
66) Benzyl Chloride	16.979	91	995080	8.824	ppbv	98
67) sec-Butylbenzene	17.288	105	7086858	9.117	ppbv	99
69) p-Isopropyltoluene	17.645	119	5963031	9.343	ppbv	100
70) n-Butylbenzene	18.542	91	6284048	9.774	ppbv	99
71) 2-Chlorotoluene	15.445	91	4517972	9.624	ppbv	97
72) 4-Ethyltoluene	15.831	105	4714507	9.492	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	4290660	9.616	ppbv	97
74) 1,2,4-Trimethylbenzene	16.757	105	4380014	9.286	ppbv	97
75) 1,3-Dichlorobenzene	16.989	146	2579269	9.418	ppbv	99
76) 1,4-Dichlorobenzene	17.133	146	2572522	9.536	ppbv	98
77) 1,2-Dichlorobenzene	17.809	146	2516076	9.320	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	1751008	8.209	ppbv	98
79) Naphthalene	22.188	128	3600984	10.206	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	899524	10.346	ppbv	96
81) 1,2,4-Trichlorobenzene	21.911	180	1965224	9.517	ppbv	98

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

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