

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
 Data File : VL038836.D
 Acq On : 7 Apr 2022 11:43
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 05:23:27 2022

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

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)

Internal Standards						
1) Bromochloromethane	5.677	49	1315060	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.182	114	3481729	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3321807m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2622791m 10.409 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2035922	10.915	ppbv	99
3) Chlorodifluoromethane	2.996	51	1602369	9.984	ppbv	98
4) Chloromethane	3.150	50	809899	9.745	ppbv	97
5) Vinyl Chloride	3.266	62	753496	9.813	ppbv	98
6) Bromomethane	3.481	94	361700	9.736	ppbv	99
7) Chloroethane	3.565	64	236342	9.230	ppbv	99
8) Dichlorotetrafluoroethane	3.195	85	1778342	10.206	ppbv	95
9) Propene	3.018	41	829428	9.768	ppbv	99
10) Heptane	8.128	43	2064904	9.654	ppbv	99
11) Trichlorofluoromethane	3.957	101	1608072	10.728	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.494	101	1223756	10.659	ppbv	94
13) Ethanol	3.607	45	48232	9.347	ppbv #	100
14) Bromoethene	3.748	108	505380	10.009	ppbv	96
15) Acetone	3.854	43	1267067	9.678	ppbv	98
16) 1,3-Butadiene	3.337	39	684526	9.146	ppbv	95
17) tert-Butyl alcohol	4.288	59	1107281	9.431	ppbv	100
18) 1,1-Dichloroethene	4.298	96	533678	10.197	ppbv	92
19) Isopropyl Alcohol	3.967	45	660021	9.863	ppbv #	100
20) Methylene Chloride	4.353	84	454543	9.573	ppbv	92
21) Allyl Chloride	4.420	41	940096	9.590	ppbv	100
22) trans-1,2-Dichloroethene	4.893	96	567629	10.712	ppbv	98
23) Vinyl Acetate	5.076	43	1303919	10.227	ppbv	98
24) 1,1-Dichloroethane	5.018	63	1187645	10.308	ppbv	99
25) Ethyl Acetate	5.684	43	3250679	9.785	ppbv	99
26) Hexane	5.694	57	1438953	9.516	ppbv	98
27) Carbon Disulfide	4.559	76	1472544	10.619	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1161909	9.949	ppbv	98
29) Chloroform	5.761	83	2231001	10.545	ppbv	99
30) Cyclohexane	7.140	84	1263013	9.477	ppbv	99
31) cis-1,2-Dichloroethene	5.555	61	1325777	9.536	ppbv	99
32) 1,1,1-Trichloroethane	6.523	97	2255745	10.582	ppbv	100
34) 2-Butanone	5.250	43	1402722	10.196	ppbv	100
35) Carbon Tetrachloride	7.025	117	2232785	10.697	ppbv	97
36) Benzene	6.899	78	3217605	10.158	ppbv	97
37) 1,2-Dichloroethane	6.314	62	1677648	11.585	ppbv	97
38) Trichloroethene	7.841	130	1208906	9.302	ppbv	96
39) 1,2-Dichloropropane	7.623	63	1255296	10.362	ppbv	99
40) 1,4-Dioxane	7.838	88	397895	9.672	ppbv #	1
41) Tetrahydrofuran	6.054	42	1303309	9.974	ppbv	99
42) Bromodichloromethane	7.800	83	2524733	11.040	ppbv	99
43) Methyl Methacrylate	8.018	69	1313981	10.831	ppbv	98
44) 2,2,4-Trimethylpentane	7.877	57	5226217	9.746	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1386944	10.934	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.710	75	1750383	10.466	ppbv	98
47) 1,1,2-Trichloroethane	9.481	97	1276262	10.281	ppbv	98
48) Dibromochloromethane	10.311	129	2077041	10.675	ppbv	99
49) Bromoform	13.050	173	1645638	10.679	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	3254358	10.516	ppbv	98
51) 2-Hexanone	10.134	43	2503063	10.735	ppbv #	100
52) Tetrachloroethene	11.230	164	1028440	9.296	ppbv	98
53) Toluene	9.812	91	3629760	9.927	ppbv	99
54) 1,2-Dibromoethane	10.619	107	1827201	10.597	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.134	131	1419546	9.751	ppbv	99
57) Chlorobenzene	12.153	112	2564110	9.425	ppbv	96
58) Ethyl Benzene	12.719	91	4855571	9.782	ppbv	95
59) m/p-Xylene	13.002	91	7992528m	19.166	ppbv	
60) o-Xylene	13.700	91	3763352	9.644	ppbv	96
61) Styrene	13.532	104	2383727	10.027	ppbv	98
62) Isopropylbenzene	14.674	105	5430753	9.272	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.684	83	2395176	9.691	ppbv	99
64) n-propylbenzene	15.568	120	1438070	9.456	ppbv	89
65) tert-Butylbenzene	16.751	119	4639084	8.927	ppbv	96
66) Benzyl Chloride	16.992	91	809542	7.652	ppbv	98
67) sec-Butylbenzene	17.298	105	6754602	9.263	ppbv	99
69) p-Isopropyltoluene	17.658	119	5540383	9.254	ppbv	98
70) n-Butylbenzene	18.555	91	6064050	10.054	ppbv	99
71) 2-Chlorotoluene	15.458	91	4316110	9.800	ppbv	96
72) 4-Ethyltoluene	15.847	105	4456385	9.564	ppbv	98
73) 1,3,5-Trimethylbenzene	16.002	105	4095460	9.784	ppbv	98
74) 1,2,4-Trimethylbenzene	16.773	105	4208517	9.511	ppbv #	90
75) 1,3-Dichlorobenzene	17.002	146	2404920	9.361	ppbv	99
76) 1,4-Dichlorobenzene	17.143	146	2362898	9.337	ppbv	99
77) 1,2-Dichlorobenzene	17.822	146	2363833	9.334	ppbv	99
78) Hexachloro-1,3-Butadiene	23.381	225	1645348	8.222	ppbv	98
79) Naphthalene	22.201	128	3421023	10.335	ppbv	99
80) Naphthalene,2-methyl-	24.976	142	866154	10.619	ppbv	99
81) 1,2,4-Trichlorobenzene	21.931	180	1843560	9.517	ppbv	100

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

