

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039421.D
 Acq On : 5 Jul 2022 15:46
 Operator : SY/AP
 Sample : VL0705ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0705ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 06 02:36:38 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1267095	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	3504482	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	3276501m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.416 95 2521394 10.373 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1855559	10.153	ppbv	99
3) Chlorodifluoromethane	2.993	51	1459515	9.079	ppbv	100
4) Chloromethane	3.147	50	798344	9.080	ppbv	99
5) Vinyl Chloride	3.263	62	771878	8.903	ppbv	99
6) Bromomethane	3.478	94	342444	9.385	ppbv	100
7) Chloroethane	3.562	64	287676m	9.329	ppbv	
8) Dichlorotetrafluoroethane	3.195	85	1902257	9.528	ppbv	98
9) Propene	3.015	41	647764	8.922	ppbv	97
10) Heptane	8.127	43	1673989	9.845	ppbv	99
11) Trichlorofluoromethane	3.957	101	1891580	9.288	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.491	101	1382238	9.104	ppbv	99
13) Ethanol	3.613	45	41181m	9.777	ppbv	
14) Bromoethene	3.745	108	589913	9.242	ppbv	98
15) Acetone	3.851	43	1386054	9.246	ppbv	100
16) 1,3-Butadiene	3.333	39	747604	9.612	ppbv	98
17) tert-Butyl alcohol	4.285	59	1307864	10.279	ppbv	99
18) 1,1-Dichloroethene	4.298	96	639868	9.303	ppbv	99
19) Isopropyl Alcohol	3.967	45	734299m	9.183	ppbv	
20) Methylene Chloride	4.349	84	522513	8.745	ppbv	96
21) Allyl Chloride	4.417	41	987418	9.510	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	628372	9.438	ppbv	98
23) Vinyl Acetate	5.076	43	1053431	10.515	ppbv	99
24) 1,1-Dichloroethane	5.018	63	1433738	10.133	ppbv	99
25) Ethyl Acetate	5.681	43	2991907	9.734	ppbv	99
26) Hexane	5.690	57	1295884	10.459	ppbv	97
27) Carbon Disulfide	4.558	76	1538595	10.288	ppbv	99
28) Methyl tert-Butyl Ether	5.037	73	1380228	10.419	ppbv	95
29) Chloroform	5.758	83	2024109	9.395	ppbv	99
30) Cyclohexane	7.137	84	1110790	9.847	ppbv	98
31) cis-1,2-Dichloroethene	5.552	61	1252202	9.525	ppbv	97
32) 1,1,1-Trichloroethane	6.516	97	2031105	9.551	ppbv	100
34) 2-Butanone	5.246	43	1751564	9.929	ppbv	100
35) Carbon Tetrachloride	7.021	117	2164132	9.994	ppbv	99
36) Benzene	6.896	78	2627839	9.689	ppbv	98
37) 1,2-Dichloroethane	6.311	62	1558411	9.734	ppbv	100
38) Trichloroethene	7.838	130	1432423	9.764	ppbv	99
39) 1,2-Dichloropropane	7.616	63	988872	9.759	ppbv	94
40) 1,4-Dioxane	7.832	88	351385	8.702	ppbv #	1
41) Tetrahydrofuran	6.050	42	1005706	9.838	ppbv	98
42) Bromodichloromethane	7.796	83	2183279	10.114	ppbv	97
43) Methyl Methacrylate	8.018	69	1071931	10.394	ppbv	99
44) 2,2,4-Trimethylpentane	7.877	57	4432656	9.644	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1093097	11.904	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1400035	11.077	ppbv	99
47) 1,1,2-Trichloroethane	9.481	97	1117104	9.826	ppbv	97
48) Dibromochloromethane	10.311	129	1958372	10.838	ppbv	99
49) Bromoform	13.044	173	1627942	11.167	ppbv	100
50) 4-Methyl-2-Pentanone	8.745	43	2783847	10.436	ppbv	99
51) 2-Hexanone	10.137	43	2176178	10.786	ppbv #	100
52) Tetrachloroethene	11.227	164	1023756	9.376	ppbv	99
53) Toluene	9.812	91	3195115	10.213	ppbv	99
54) 1,2-Dibromoethane	10.616	107	1457096	10.300	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.127	131	1421191	9.819	ppbv	96
57) Chlorobenzene	12.150	112	2433936	9.582	ppbv	98
58) Ethyl Benzene	12.712	91	4335062	10.246	ppbv	97
59) m/p-Xylene	12.999	91	7396481m	19.830	ppbv	
60) o-Xylene	13.696	91	3544328	10.035	ppbv	99
61) Styrene	13.532	104	2119225	11.077	ppbv	99
62) Isopropylbenzene	14.671	105	5251910	9.764	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	1721667	9.300	ppbv	99
64) n-propylbenzene	15.564	120	1383932	10.152	ppbv	99
65) tert-Butylbenzene	16.748	119	4797531	9.652	ppbv	99
66) Benzyl Chloride	16.995	91	549655m	11.638	ppbv	
67) sec-Butylbenzene	17.297	105	6615386	9.882	ppbv	100
69) p-Isopropyltoluene	17.654	119	5651026	9.948	ppbv	100
70) n-Butylbenzene	18.548	91	5546984	10.061	ppbv	100
71) 2-Chlorotoluene	15.455	91	3871062	10.056	ppbv	100
72) 4-Ethyltoluene	15.841	105	4309476	10.378	ppbv	99
73) 1,3,5-Trimethylbenzene	16.002	105	3928097	10.299	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	4224582	10.013	ppbv	98
75) 1,3-Dichlorobenzene	16.998	146	2476558	9.840	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	2407918	9.653	ppbv	99
77) 1,2-Dichlorobenzene	17.822	146	2435078	9.761	ppbv	100
78) Hexachloro-1,3-Butadiene	23.378	225	1699955	8.473	ppbv	99
79) Naphthalene	22.194	128	3346081	11.524	ppbv	98
80) Naphthalene,2-methyl-	24.966	142	1104648	11.178	ppbv	96
81) 1,2,4-Trichlorobenzene	21.924	180	1925346	10.181	ppbv	99

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

