

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039144.D
 Acq On : 1 Jun 2022 11:39
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 02 00:37:49 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1221183	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	2924864	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	2766192m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2438278 10.662 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1753861	8.177	ppbv	97
3) Chlorodifluoromethane	2.996	51	1449842	9.331	ppbv	98
4) Chloromethane	3.147	50	763000	9.560	ppbv	99
5) Vinyl Chloride	3.263	62	740005	9.918	ppbv	97
6) Bromomethane	3.478	94	366616	9.989	ppbv	99
7) Chloroethane	3.562	64	261654	10.064	ppbv	99
8) Dichlorotetrafluoroethane	3.195	85	1887179	9.627	ppbv	100
9) Propene	3.015	41	564908	8.338	ppbv	99
10) Heptane	8.121	43	1487540	9.412	ppbv	99
11) Trichlorofluoromethane	3.954	101	1916184	9.869	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.488	101	1308317	10.189	ppbv	99
13) Ethanol	3.607	45	35334m	9.563	ppbv	
14) Bromoethene	3.745	108	564548	9.780	ppbv	97
15) Acetone	3.851	43	1284746	10.100	ppbv	98
16) 1,3-Butadiene	3.334	39	693211	10.137	ppbv	97
17) tert-Butyl alcohol	4.285	59	964385	9.774	ppbv	98
18) 1,1-Dichloroethene	4.295	96	604887	10.502	ppbv	95
19) Isopropyl Alcohol	3.964	45	564597	9.463	ppbv	99
20) Methylene Chloride	4.346	84	458914	8.561	ppbv	95
21) Allyl Chloride	4.414	41	882246	10.281	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	621832	11.220	ppbv	92
23) Vinyl Acetate	5.076	43	961621	9.137	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1160472	8.047	ppbv	99
25) Ethyl Acetate	5.677	43	2719159	9.484	ppbv	99
26) Hexane	5.690	57	1175658	9.331	ppbv	99
27) Carbon Disulfide	4.555	76	1416702	10.849	ppbv	99
28) Methyl tert-Butyl Ether	5.038	73	1035057	7.441	ppbv	100
29) Chloroform	5.755	83	2034611	9.597	ppbv	98
30) Cyclohexane	7.131	84	947819	8.955	ppbv	98
31) cis-1,2-Dichloroethene	5.552	61	1239636	9.649	ppbv	98
32) 1,1,1-Trichloroethane	6.513	97	2080398	10.028	ppbv	99
34) 2-Butanone	5.243	43	1642734	10.338	ppbv	100
35) Carbon Tetrachloride	7.021	117	2230954	10.450	ppbv	97
36) Benzene	6.893	78	2298789	9.681	ppbv	97
37) 1,2-Dichloroethane	6.308	62	1704997	10.910	ppbv	99
38) Trichloroethene	7.838	130	1161926	10.653	ppbv	97
39) 1,2-Dichloropropane	7.616	63	900038	9.529	ppbv	91
40) 1,4-Dioxane	7.835	88	297807	9.578	ppbv #	1
41) Tetrahydrofuran	6.050	42	939426	9.830	ppbv	100
42) Bromodichloromethane	7.793	83	2299636	10.603	ppbv	99
43) Methyl Methacrylate	8.012	69	971959	10.508	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	3989643	9.604	ppbv	98
45) t-1,3-Dichloropropene	9.279	75	1138636	11.820	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	1385114	10.885	ppbv	96
47) 1,1,2-Trichloroethane	9.475	97	989581	10.043	ppbv	98
48) Dibromochloromethane	10.304	129	1865136	10.601	ppbv	99
49) Bromoform	13.041	173	1547257	10.552	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2441588	10.265	ppbv	100
51) 2-Hexanone	10.127	43	1968836	10.638	ppbv #	97
52) Tetrachloroethene	11.221	164	869964	9.383	ppbv	97
53) Toluene	9.806	91	2734959	10.002	ppbv	99
54) 1,2-Dibromoethane	10.607	107	1367325	10.326	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.124	131	1275509	9.745	ppbv	96
57) Chlorobenzene	12.147	112	2044529	9.823	ppbv	97
58) Ethyl Benzene	12.709	91	3748584	9.838	ppbv	99
59) m/p-Xylene	12.992	91	6618277m	19.724	ppbv	
60) o-Xylene	13.690	91	3172359	10.062	ppbv	99
61) Styrene	13.523	104	1767569	10.469	ppbv	98
62) Isopropylbenzene	14.664	105	4571879	9.756	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1660480	9.383	ppbv	100
64) n-propylbenzene	15.558	120	1160038	10.070	ppbv	96
65) tert-Butylbenzene	16.741	119	4221198	9.851	ppbv	98
66) Benzyl Chloride	16.986	91	673739	12.092	ppbv	99
67) sec-Butylbenzene	17.288	105	5874014	10.046	ppbv	100
69) p-Isopropyltoluene	17.645	119	4934863	10.004	ppbv	99
70) n-Butylbenzene	18.542	91	5196792	10.264	ppbv	100
71) 2-Chlorotoluene	15.449	91	3550066	9.934	ppbv	99
72) 4-Ethyltoluene	15.835	105	3744840	10.134	ppbv	99
73) 1,3,5-Trimethylbenzene	15.992	105	3388794	10.168	ppbv	98
74) 1,2,4-Trimethylbenzene	16.757	105	3782237	10.169	ppbv	96
75) 1,3-Dichlorobenzene	16.989	146	2142325	10.176	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	2097604	9.986	ppbv	98
77) 1,2-Dichlorobenzene	17.809	146	2095151	9.874	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1837002	9.468	ppbv	99
79) Naphthalene	22.185	128	3339639	11.664	ppbv	100
80) Naphthalene,2-methyl-	24.963	142	1301367	12.234	ppbv	94
81) 1,2,4-Trichlorobenzene	21.912	180	1893651	10.440	ppbv #	100

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

