

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052522\
 Data File : VL039131.D
 Acq On : 26 May 2022 11:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 27 04:28:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 27 04:28:27 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	987468	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2190789	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.056	117	2025466m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1879264 11.716 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 117.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1344379	8.689	ppbv	98
3) Chlorodifluoromethane	2.980	51	1262221	10.301	ppbv	95
4) Chloromethane	3.131	50	618911	10.086	ppbv	97
5) Vinyl Chloride	3.247	62	653513	11.663	ppbv	97
6) Bromomethane	3.462	94	336458	12.711	ppbv	99
7) Chloroethane	3.546	64	223314	11.907	ppbv	94
8) Dichlorotetrafluoroethane	3.179	85	1676293	11.954	ppbv	98
9) Propene	3.002	41	439474	8.213	ppbv	100
10) Heptane	8.098	43	1255091	9.561	ppbv	100
11) Trichlorofluoromethane	3.935	101	1736079	13.078	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.468	101	1201664	13.141	ppbv	100
13) Ethanol	3.587	45	38210m	10.090	ppbv	
14) Bromoethene	3.726	108	478081	12.678	ppbv	99
15) Acetone	3.832	43	1130864	12.141	ppbv	97
16) 1,3-Butadiene	3.317	39	603684	11.280	ppbv	100
17) tert-Butyl alcohol	4.269	59	922654	12.888	ppbv	98
18) 1,1-Dichloroethene	4.275	96	524905	13.337	ppbv	97
19) Isopropyl Alcohol	3.947	45	570603	12.884	ppbv #	95
20) Methylene Chloride	4.327	84	460722	13.123	ppbv	97
21) Allyl Chloride	4.394	41	783947	12.351	ppbv	94
22) trans-1,2-Dichloroethene	4.867	96	551728	12.978	ppbv	95
23) Vinyl Acetate	5.054	43	988077	13.406	ppbv	97
24) 1,1-Dichloroethane	4.992	63	1077225	12.693	ppbv	99
25) Ethyl Acetate	5.655	43	2315848	10.387	ppbv	99
26) Hexane	5.664	57	980380	9.897	ppbv	98
27) Carbon Disulfide	4.533	76	1316087	13.986	ppbv	99
28) Methyl tert-Butyl Ether	5.015	73	967219	12.833	ppbv	99
29) Chloroform	5.732	83	1752311	10.934	ppbv	100
30) Cyclohexane	7.105	84	766584	9.243	ppbv	98
31) cis-1,2-Dichloroethene	5.526	61	1055647	10.460	ppbv	96
32) 1,1,1-Trichloroethane	6.491	97	1826653	11.399	ppbv	99
34) 2-Butanone	5.224	43	1449813	12.972	ppbv	98
35) Carbon Tetrachloride	6.996	117	1935159	13.406	ppbv	99
36) Benzene	6.870	78	1866649	9.956	ppbv	95
37) 1,2-Dichloroethane	6.285	62	1501368	12.943	ppbv	97
38) Trichloroethene	7.809	130	864192	10.369	ppbv	98
39) 1,2-Dichloropropane	7.587	63	748766	10.264	ppbv #	88
40) 1,4-Dioxane	7.803	88	280234	10.696	ppbv #	1
41) Tetrahydrofuran	6.025	42	768319	10.228	ppbv	100
42) Bromodichloromethane	7.764	83	1906231	12.020	ppbv	98
43) Methyl Methacrylate	7.986	69	825173	10.841	ppbv	96
44) 2,2,4-Trimethylpentane	7.841	57	3373231	10.254	ppbv	97
45) t-1,3-Dichloropropene	9.250	75	1008350	13.686	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	1205824	12.342	ppbv	97
47) 1,1,2-Trichloroethane	9.446	97	802187	10.573	ppbv	99
48) Dibromochloromethane	10.275	129	1555134	12.593	ppbv	100
49) Bromoform	13.008	173	1242079	13.188	ppbv	99
50) 4-Methyl-2-Pentanone	8.713	43	2150106	10.971	ppbv	99
51) 2-Hexanone	10.102	43	1696667	11.861	ppbv #	98
52) Tetrachloroethene	11.198	164	683486	10.202	ppbv	95
53) Toluene	9.777	91	2231208	10.618	ppbv	99
54) 1,2-Dibromoethane	10.581	107	1169944	11.327	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.095	131	1053266	11.852	ppbv	99
57) Chlorobenzene	12.118	112	1663608	10.957	ppbv	99
58) Ethyl Benzene	12.680	91	3133581	10.750	ppbv	97
59) m/p-Xylene	12.966	91	5634168m	22.641	ppbv	
60) o-Xylene	13.661	91	2706123	11.554	ppbv	98
61) Styrene	13.497	104	1448654	11.586	ppbv	97
62) Isopropylbenzene	14.635	105	3873653	11.310	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.645	83	1523491	11.047	ppbv	99
64) n-propylbenzene	15.529	120	959189	11.584	ppbv	95
65) tert-Butylbenzene	16.712	119	3538352	11.791	ppbv	97
66) Benzyl Chloride	16.953	91	653928	16.670	ppbv	99
67) sec-Butylbenzene	17.259	105	5030422	11.733	ppbv	99
69) p-Isopropyltoluene	17.619	119	4136262	11.942	ppbv	98
70) n-Butylbenzene	18.516	91	4502033	12.234	ppbv	99
71) 2-Chlorotoluene	15.423	91	3012525	11.409	ppbv	98
72) 4-Ethyltoluene	15.806	105	3136291	11.751	ppbv	99
73) 1,3,5-Trimethylbenzene	15.963	105	2874073	11.962	ppbv	99
74) 1,2,4-Trimethylbenzene	16.728	105	3194575	12.143	ppbv	99
75) 1,3-Dichlorobenzene	16.960	146	1742926	12.092	ppbv	98
76) 1,4-Dichlorobenzene	17.105	146	1700215	11.990	ppbv	98
77) 1,2-Dichlorobenzene	17.783	146	1689393	11.850	ppbv	99
78) Hexachloro-1,3-Butadiene	23.339	225	1482956	11.319	ppbv	99
79) Naphthalene	22.149	128	2811925	13.158	ppbv	99
80) Naphthalene,2-methyl-	24.940	142	837423	12.954	ppbv	98
81) 1,2,4-Trichlorobenzene	21.882	180	1508614m	12.048	ppbv	

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

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