

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039417.D
 Acq On : 30 Jun 2022 9:50
 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 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

Quant Time: Jul 01 08:02:23 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 2022

QLast Update : Thu Jun 30 05:40:11 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	1254466	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.157	114	3501898	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	3294153m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2411198 9.867 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1747177	9.656	ppbv	96
3) Chlorodifluoromethane	2.983	51	1499459	9.421	ppbv	98
4) Chloromethane	3.134	50	847484	9.736	ppbv	99
5) Vinyl Chloride	3.253	62	791883	9.226	ppbv	96
6) Bromomethane	3.469	94	348774	9.655	ppbv	99
7) Chloroethane	3.552	64	293982	9.629	ppbv	100
8) Dichlorotetrafluoroethane	3.182	85	1921314	9.720	ppbv	96
9) Propene	3.006	41	705083	9.810	ppbv	99
10) Heptane	8.105	43	1794221	10.658	ppbv	100
11) Trichlorofluoromethane	3.941	101	1854445	9.197	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.475	101	1393657	9.272	ppbv	99
13) Ethanol	3.594	45	39066	9.368	ppbv	81
14) Bromoethene	3.732	108	584641	9.252	ppbv	98
15) Acetone	3.838	43	1392606	9.383	ppbv	98
16) 1,3-Butadiene	3.321	39	782703	10.164	ppbv	100
17) tert-Butyl alcohol	4.269	59	1273851	10.113	ppbv	100
18) 1,1-Dichloroethene	4.279	96	636435	9.346	ppbv	99
19) Isopropyl Alcohol	3.951	45	769422	9.719	ppbv #	98
20) Methylene Chloride	4.333	84	517923	8.755	ppbv	96
21) Allyl Chloride	4.401	41	1012556	9.851	ppbv	97
22) trans-1,2-Dichloroethene	4.870	96	660527	10.021	ppbv	96
23) Vinyl Acetate	5.057	43	1069154	10.780	ppbv	99
24) 1,1-Dichloroethane	4.996	63	1299902	9.280	ppbv	99
25) Ethyl Acetate	5.658	43	3151786	10.357	ppbv	99
26) Hexane	5.674	57	1375613	11.214	ppbv	96
27) Carbon Disulfide	4.539	76	1513056	10.219	ppbv	100
28) Methyl tert-Butyl Ether	5.018	73	1209867	9.225	ppbv	97
29) Chloroform	5.735	83	1990175	9.330	ppbv	96
30) Cyclohexane	7.115	84	1156536	10.356	ppbv	100
31) cis-1,2-Dichloroethene	5.533	61	1326582	10.192	ppbv	98
32) 1,1,1-Trichloroethane	6.497	97	1942050	9.224	ppbv	99
34) 2-Butanone	5.227	43	1833263	10.400	ppbv	100
35) Carbon Tetrachloride	6.999	117	2062035	9.529	ppbv	98
36) Benzene	6.874	78	2794339	10.310	ppbv	97
37) 1,2-Dichloroethane	6.288	62	1517943	9.489	ppbv	99
38) Trichloroethene	7.819	130	1440913	9.830	ppbv	98
39) 1,2-Dichloropropane	7.594	63	1050255	10.373	ppbv	97
40) 1,4-Dioxane	7.809	88	392105	9.718	ppbv #	1
41) Tetrahydrofuran	6.031	42	1127623	11.039	ppbv	99
42) Bromodichloromethane	7.771	83	2160858	10.018	ppbv	99
43) Methyl Methacrylate	7.996	69	1120737	10.875	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	4703112	10.240	ppbv	99
45) t-1,3-Dichloropropene	9.256	75	1101828	12.008	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1444200	11.435	ppbv	97
47) 1,1,2-Trichloroethane	9.455	97	1144219	10.072	ppbv	99
48) Dibromochloromethane	10.282	129	1917342	10.618	ppbv	100
49) Bromoform	13.018	173	1592887	10.935	ppbv	100
50) 4-Methyl-2-Pentanone	8.719	43	2942535	11.039	ppbv	99
51) 2-Hexanone	10.108	43	2318973	11.502	ppbv #	100
52) Tetrachloroethene	11.201	164	1065402	9.765	ppbv	98
53) Toluene	9.783	91	3344081	10.697	ppbv	99
54) 1,2-Dibromoethane	10.590	107	1478581	10.460	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.105	131	1409286	9.684	ppbv	97
57) Chlorobenzene	12.124	112	2489722	9.749	ppbv	98
58) Ethyl Benzene	12.687	91	4377427	10.291	ppbv	99
59) m/p-Xylene	12.973	91	7492173m	19.979	ppbv	
60) o-Xylene	13.668	91	3603386	10.148	ppbv	99
61) Styrene	13.504	104	2162417	11.242	ppbv	100
62) Isopropylbenzene	14.645	105	5267186	9.740	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.651	83	1744573	9.373	ppbv	99
64) n-propylbenzene	15.539	120	1405476	10.254	ppbv	99
65) tert-Butylbenzene	16.719	119	4807376	9.620	ppbv	99
66) Benzyl Chloride	16.963	91	504446	10.623	ppbv	100
67) sec-Butylbenzene	17.269	105	6610740	9.822	ppbv	100
69) p-Isopropyltoluene	17.626	119	5666426	9.922	ppbv	100
70) n-Butylbenzene	18.526	91	5575046	10.058	ppbv	100
71) 2-Chlorotoluene	15.430	91	3918510	10.125	ppbv	100
72) 4-Ethyltoluene	15.812	105	4310988	10.326	ppbv	100
73) 1,3,5-Trimethylbenzene	15.970	105	3930505	10.250	ppbv	97
74) 1,2,4-Trimethylbenzene	16.738	105	4204272	9.911	ppbv	99
75) 1,3-Dichlorobenzene	16.970	146	2509025	9.916	ppbv	100
76) 1,4-Dichlorobenzene	17.114	146	2426724	9.676	ppbv	100
77) 1,2-Dichlorobenzene	17.790	146	2450706	9.771	ppbv	100
78) Hexachloro-1,3-Butadiene	23.349	225	1723682	8.545	ppbv	99
79) Naphthalene	22.166	128	3428532	11.745	ppbv	98
80) Naphthalene,2-methyl-	24.947	142	1195449	12.032	ppbv	94
81) 1,2,4-Trichlorobenzene	21.895	180	1978020	10.403	ppbv	100

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

