

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039819.D
 Acq On : 3 Nov 2022 10:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 08:42:31 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1083929	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3073138	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2917009m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 2232829 10.227 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	1713846	9.365	ppbv	99
3) Chlorodifluoromethane	2.684	51	1152636	8.920	ppbv	99
4) Chloromethane	2.822	50	715165	8.889	ppbv	99
5) Vinyl Chloride	2.928	62	599920	9.210	ppbv	98
6) Bromomethane	3.128	94	206708	8.896	ppbv	99
7) Chloroethane	3.202	64	214739	8.797	ppbv	99
8) Dichlorotetrafluoroethane	2.864	85	1370605	8.788	ppbv	100
9) Propene	2.703	41	550852	8.182	ppbv	94
10) Heptane	7.562	43	1421755	8.815	ppbv	99
11) Trichlorofluoromethane	3.565	101	1334831	8.944	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.067	101	990438	9.189	ppbv	99
13) Ethanol	3.247	45	42359m	8.902	ppbv	
14) Bromoethene	3.369	108	441771	9.153	ppbv	100
15) Acetone	3.472	43	992969	7.526	ppbv	99
16) 1,3-Butadiene	2.993	39	582884	9.500	ppbv	93
17) tert-Butyl alcohol	3.877	59	1118017	8.898	ppbv	99
18) 1,1-Dichloroethene	3.883	96	461168	9.331	ppbv	97
19) Isopropyl Alcohol	3.578	45	545305	8.350	ppbv	95
20) Methylene Chloride	3.932	84	371485	7.870	ppbv	94
21) Allyl Chloride	3.996	41	767895	9.202	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	466403	9.298	ppbv	94
23) Vinyl Acetate	4.623	43	452230	8.604	ppbv #	97
24) 1,1-Dichloroethane	4.562	63	984605	9.171	ppbv	98
25) Ethyl Acetate	5.195	43	2427645	8.933	ppbv	99
26) Hexane	5.205	57	1051794	8.680	ppbv	98
27) Carbon Disulfide	4.124	76	1265960	9.949	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	1000619	9.123	ppbv	99
29) Chloroform	5.266	83	1554974	9.126	ppbv	98
30) Cyclohexane	6.587	84	904665	8.928	ppbv	98
31) cis-1,2-Dichloroethene	5.070	61	951475	8.612	ppbv	95
32) 1,1,1-Trichloroethane	5.992	97	1590987	9.380	ppbv	100
34) 2-Butanone	4.780	43	1151173	9.080	ppbv	99
35) Carbon Tetrachloride	6.478	117	1666382	9.303	ppbv	99
36) Benzene	6.356	78	2295733	8.856	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1160268	9.329	ppbv	99
38) Trichloroethene	7.272	130	1228252	8.852	ppbv	97
39) 1,2-Dichloropropane	7.057	63	880264	8.715	ppbv	98
40) 1,4-Dioxane	7.269	88	340600	8.806	ppbv	91
41) Tetrahydrofuran	5.549	42	933194	8.807	ppbv	99
42) Bromodichloromethane	7.230	83	1779693	8.959	ppbv	97
43) Methyl Methacrylate	7.459	69	921128	8.991	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3745140	8.559	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	933582	9.513	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1247830	9.315	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	897270	8.773	ppbv	97
48) Dibromochloromethane	9.690	129	1556601	8.932	ppbv	98
49) Bromoform	12.385	173	1196120	8.539	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2345588	9.037	ppbv	100
51) 2-Hexanone	9.533	43	1841316	9.098	ppbv #	98
52) Tetrachloroethene	10.590	164	798552	8.222	ppbv	99
53) Toluene	9.201	91	2573015	8.652	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1063923	9.373	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.487	131	1055460	8.463	ppbv	100
57) Chlorobenzene	11.507	112	1893965	8.560	ppbv	98
58) Ethyl Benzene	12.066	91	3366004	8.534	ppbv	99
59) m/p-Xylene	12.352	91	5511635m	16.741	ppbv	
60) o-Xylene	13.037	91	2592956	8.313	ppbv	100
61) Styrene	12.873	104	1678007	8.743	ppbv	99
62) Isopropylbenzene	14.008	105	3751017	8.244	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	896219	7.716	ppbv	100
64) n-propylbenzene	14.896	120	1003328	8.243	ppbv	97
65) tert-Butylbenzene	16.069	119	3156025	7.900	ppbv	99
66) Benzyl Chloride	16.304	91	340898	7.339	ppbv	100
67) sec-Butylbenzene	16.616	105	4371913	8.039	ppbv	99
69) p-Isopropyltoluene	16.976	119	3591112	7.961	ppbv	99
70) n-Butylbenzene	17.863	91	3538674	8.114	ppbv	99
71) 2-Chlorotoluene	14.777	91	2783288	8.141	ppbv	99
72) 4-Ethyltoluene	15.172	105	2914751	8.299	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	2593790	8.330	ppbv	97
74) 1,2,4-Trimethylbenzene	16.085	105	2670213	8.072	ppbv	98
75) 1,3-Dichlorobenzene	16.310	146	1557297	8.062	ppbv	99
76) 1,4-Dichlorobenzene	16.449	146	1525561	8.049	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1482740	8.143	ppbv	99
78) Hexachloro-1,3-Butadiene	22.609	225	1018242	7.547	ppbv	98
79) Naphthalene	21.358	128	2299072	9.559	ppbv	99
80) Naphthalene,2-methyl-	24.362	142	813849	7.981	ppbv	100
81) 1,2,4-Trichlorobenzene	21.117	180	1177199	8.750	ppbv	100

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

