

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110722\
 Data File : VL039842.D
 Acq On : 7 Nov 2022 16:35
 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 11/08/2022
 Supervised By : Mahesh Dadoda 11/09/2022

Quant Time: Nov 08 06:14:46 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	5.195	49	1044436	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2537971	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2485714m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1985568m 10.672 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1193247	6.767	ppbv	100
3) Chlorodifluoromethane	2.690	51	1152301	9.254	ppbv	96
4) Chloromethane	2.829	50	594278	7.665	ppbv	100
5) Vinyl Chloride	2.935	62	555806	8.855	ppbv	95
6) Bromomethane	3.134	94	219122	9.787	ppbv	98
7) Chloroethane	3.214	64	180963	7.693	ppbv	98
8) Dichlorotetrafluoroethane	2.874	85	1341804	8.929	ppbv	94
9) Propene	2.710	41	507255	7.819	ppbv	96
10) Heptane	7.578	43	1315294	8.463	ppbv	100
11) Trichlorofluoromethane	3.575	101	1379425	9.592	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	914279	8.803	ppbv	98
13) Ethanol	3.266	45	29221m	6.373	ppbv	
14) Bromoethene	3.378	108	397672	8.551	ppbv	98
15) Acetone	3.481	43	888715	6.991	ppbv	98
16) 1,3-Butadiene	2.999	39	509921	8.625	ppbv	95
17) tert-Butyl alcohol	3.886	59	974369	8.048	ppbv	98
18) 1,1-Dichloroethene	3.890	96	422307	8.868	ppbv	90
19) Isopropyl Alcohol	3.587	45	457916	7.277	ppbv #	32
20) Methylene Chloride	3.941	84	323606	7.115	ppbv	93
21) Allyl Chloride	4.009	41	603842	7.509	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	398671	8.248	ppbv	88
23) Vinyl Acetate	4.636	43	231575m	4.572	ppbv	
24) 1,1-Dichloroethane	4.568	63	835714	8.078	ppbv	99
25) Ethyl Acetate	5.211	43	2515680	9.607	ppbv	98
26) Hexane	5.218	57	958124	8.206	ppbv	88
27) Carbon Disulfide	4.131	76	962751	7.853	ppbv	97
28) Methyl tert-Butyl Ether	4.594	73	794590	7.519	ppbv	99
29) Chloroform	5.279	83	1561872	9.514	ppbv	99
30) Cyclohexane	6.603	84	827831	8.479	ppbv	98
31) cis-1,2-Dichloroethene	5.082	61	964248	9.057	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1565608	9.579	ppbv	98
34) 2-Butanone	4.793	43	1162572	11.104	ppbv	95
35) Carbon Tetrachloride	6.494	117	1529011	10.336	ppbv	98
36) Benzene	6.369	78	2049109	9.571	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1169018	11.381	ppbv	97
38) Trichloroethene	7.288	130	855818	7.468	ppbv	94
39) 1,2-Dichloropropane	7.070	63	830958	9.962	ppbv	96
40) 1,4-Dioxane	7.285	88	300936	9.421	ppbv #	1
41) Tetrahydrofuran	5.562	42	851230	9.728	ppbv	98
42) Bromodichloromethane	7.250	83	1749588	10.664	ppbv	99
43) Methyl Methacrylate	7.478	69	863283	10.203	ppbv	96
44) 2,2,4-Trimethylpentane	7.324	57	3483877	9.641	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	674976	8.328	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	972238	8.788	ppbv	97
47) 1,1,2-Trichloroethane	8.896	97	824344	9.760	ppbv	94
48) Dibromochloromethane	9.703	129	1389521	9.655	ppbv	100
49) Bromoform	12.401	173	1113236	9.623	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2138667	9.977	ppbv	100
51) 2-Hexanone	9.549	43	1670064	9.992	ppbv	99
52) Tetrachloroethene	10.610	164	669212	8.343	ppbv	97
53) Toluene	9.221	91	2279361	9.281	ppbv	99
54) 1,2-Dibromoethane	10.002	107	1083170	11.555	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.500	131	1016220	9.562	ppbv	99
57) Chlorobenzene	11.523	112	1624613	8.616	ppbv	93
58) Ethyl Benzene	12.082	91	3088576	9.190	ppbv	96
59) m/p-Xylene	12.368	91	5134974m	18.303	ppbv	
60) o-Xylene	13.053	91	2462658	9.265	ppbv	97
61) Styrene	12.892	104	1421939	8.694	ppbv	97
62) Isopropylbenzene	14.024	105	3706886	9.560	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.040	83	1449300	14.642	ppbv	99
64) n-propylbenzene	14.912	120	946506	9.126	ppbv	84
65) tert-Butylbenzene	16.085	119	3104204	9.118	ppbv	93
66) Benzyl Chloride	16.323	91	167926m	4.242	ppbv	
67) sec-Butylbenzene	16.632	105	4484717	9.677	ppbv	97
69) p-Isopropyltoluene	16.992	119	3537907	9.204	ppbv	97
70) n-Butylbenzene	17.883	91	3825179	10.293	ppbv	98
71) 2-Chlorotoluene	14.796	91	2866107	9.838	ppbv	96
72) 4-Ethyltoluene	15.188	105	2829163	9.453	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2518106	9.491	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	2659480	9.434	ppbv	97
75) 1,3-Dichlorobenzene	16.323	146	1456384	8.848	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1397538	8.653	ppbv	98
77) 1,2-Dichlorobenzene	17.137	146	1422098	9.165	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	935096	8.134	ppbv	99
79) Naphthalene	21.374	128	1908129	9.310	ppbv	98
80) Naphthalene,2-methyl-	24.378	142	501329	5.769	ppbv	93
81) 1,2,4-Trichlorobenzene	21.133	180	1024611m	8.937	ppbv	

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

