

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039866.D
 Acq On : 10 Nov 2022 15:53
 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 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 04:54:09 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.192	49	1100325	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2551313	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2543058	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1974186 10.372 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1382523	7.442	ppbv	99
3) Chlorodifluoromethane	2.690	51	1220011	9.300	ppbv	95
4) Chloromethane	2.829	50	708253	8.672	ppbv	100
5) Vinyl Chloride	2.935	62	614782	9.297	ppbv	99
6) Bromomethane	3.131	94	201715	8.551	ppbv	99
7) Chloroethane	3.211	64	204331	8.246	ppbv	98
8) Dichlorotetrafluoroethane	2.874	85	1440316	9.098	ppbv	92
9) Propene	2.710	41	538997	7.886	ppbv	98
10) Heptane	7.568	43	1371756	8.378	ppbv	100
11) Trichlorofluoromethane	3.575	101	1517965	10.019	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1050432	9.600	ppbv	97
13) Ethanol	3.259	45	31457m	6.512	ppbv	
14) Bromoethene	3.378	108	456589	9.319	ppbv	99
15) Acetone	3.478	43	949425	7.089	ppbv	97
16) 1,3-Butadiene	2.999	39	537514	8.630	ppbv	98
17) tert-Butyl alcohol	3.883	59	987959	7.746	ppbv	99
18) 1,1-Dichloroethene	3.890	96	460421	9.177	ppbv	92
19) Isopropyl Alcohol	3.584	45	531489	8.018	ppbv #	33
20) Methylene Chloride	3.941	84	402539	8.401	ppbv	90
21) Allyl Chloride	4.005	41	687630	8.117	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	510990	10.035	ppbv	91
23) Vinyl Acetate	4.629	43	387034	7.254	ppbv #	96
24) 1,1-Dichloroethane	4.568	63	966258	8.866	ppbv	98
25) Ethyl Acetate	5.208	43	2353396	8.531	ppbv	99
26) Hexane	5.214	57	1013141	8.237	ppbv	99
27) Carbon Disulfide	4.128	76	1179334	9.130	ppbv	98
28) Methyl tert-Butyl Ether	4.591	73	922429	8.285	ppbv	97
29) Chloroform	5.272	83	1637368	9.467	ppbv	98
30) Cyclohexane	6.594	84	807438	7.850	ppbv	94
31) cis-1,2-Dichloroethene	5.079	61	1043663	9.305	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	1630962	9.472	ppbv	96
34) 2-Butanone	4.790	43	1076390	10.227	ppbv	99
35) Carbon Tetrachloride	6.488	117	1613868	10.852	ppbv	98
36) Benzene	6.365	78	2079104	9.661	ppbv	96
37) 1,2-Dichloroethane	5.803	62	1329023m	12.871	ppbv	
38) Trichloroethene	7.282	130	1107598	9.615	ppbv	93
39) 1,2-Dichloropropane	7.063	63	859701	10.253	ppbv	94
40) 1,4-Dioxane	7.279	88	291490	9.078	ppbv #	1
41) Tetrahydrofuran	5.555	42	852549	9.692	ppbv	98
42) Bromodichloromethane	7.240	83	1833632	11.118	ppbv	99
43) Methyl Methacrylate	7.468	69	850253	9.997	ppbv	91
44) 2,2,4-Trimethylpentane	7.317	57	3577921	9.849	ppbv	97
45) t-1,3-Dichloropropene	8.697	75	838222	10.288	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1120737	10.078	ppbv	95
47) 1,1,2-Trichloroethane	8.886	97	830562	9.782	ppbv	93
48) Dibromochloromethane	9.696	129	1427627	9.868	ppbv	100
49) Bromoform	12.394	173	1140319	9.806	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2226396	10.332	ppbv	99
51) 2-Hexanone	9.542	43	1796444	10.692	ppbv #	98
52) Tetrachloroethene	10.603	164	671541	8.329	ppbv	93
53) Toluene	9.211	91	2298962	9.311	ppbv	100
54) 1,2-Dibromoethane	9.995	107	983125	10.433	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.494	131	980006	9.014	ppbv	98
57) Chlorobenzene	11.516	112	1658760	8.599	ppbv	88
58) Ethyl Benzene	12.076	91	3141455	9.136	ppbv	95
59) m/p-Xylene	12.362	91	5300422m	18.467	ppbv	
60) o-Xylene	13.047	91	2540870	9.344	ppbv	95
61) Styrene	12.886	104	1482859	8.862	ppbv	95
62) Isopropylbenzene	14.018	105	3574056	9.010	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.031	83	924320	9.128	ppbv	98
64) n-propylbenzene	14.905	120	899592	8.478	ppbv	78
65) tert-Butylbenzene	16.076	119	3065398	8.801	ppbv	91
66) Benzyl Chloride	16.314	91	174975m	4.321	ppbv	
67) sec-Butylbenzene	16.622	105	4427861	9.339	ppbv	97
69) p-Isopropyltoluene	16.982	119	3483558	8.858	ppbv	95
70) n-Butylbenzene	17.876	91	3786957	9.961	ppbv	97
71) 2-Chlorotoluene	14.786	91	2844131	9.542	ppbv	95
72) 4-Ethyltoluene	15.182	105	2832132	9.249	ppbv	96
73) 1,3,5-Trimethylbenzene	15.336	105	2566093	9.453	ppbv	90
74) 1,2,4-Trimethylbenzene	16.095	105	2704593	9.378	ppbv	94
75) 1,3-Dichlorobenzene	16.314	146	1501690	8.918	ppbv	97
76) 1,4-Dichlorobenzene	16.458	146	1445223	8.746	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1467934	9.247	ppbv	98
78) Hexachloro-1,3-Butadiene	22.619	225	886879	7.540	ppbv	99
79) Naphthalene	21.365	128	1840915	8.780	ppbv	100
80) Naphthalene,2-methyl-	24.368	142	669380	7.530	ppbv #	96
81) 1,2,4-Trichlorobenzene	21.127	180	1009968	8.611	ppbv	100

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

