

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039759.D
 Acq On : 24 Oct 2022 14:35
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 16:50:02 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1018376	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2694541	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2495549	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1735487 9.797 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	224120	1.314	ppbv	97
3) Chlorodifluoromethane	2.697	51	252559	1.946	ppbv	99
4) Chloromethane	2.832	50	158413	1.951	ppbv	100
5) Vinyl Chloride	2.941	62	131656	2.066	ppbv	90
6) Bromomethane	3.140	94	45320	1.920	ppbv	95
7) Chloroethane	3.211	64	44152	1.869	ppbv	91
8) Dichlorotetrafluoroethane	2.877	85	296646	1.875	ppbv	99
9) Propene	2.716	41	111630	1.884	ppbv	97
10) Heptane	7.581	43	266239	1.936	ppbv	100
11) Trichlorofluoromethane	3.581	101	309717	1.951	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.079	101	232168	1.818	ppbv	96
13) Ethanol	3.276	45	7022m	1.740	ppbv	
14) Bromoethene	3.382	108	93308	1.918	ppbv	99
15) Acetone	3.488	43	266347	2.166	ppbv	95
16) 1,3-Butadiene	3.005	39	119890	1.943	ppbv	95
17) tert-Butyl alcohol	3.899	59	206715m	1.979	ppbv	
18) 1,1-Dichloroethene	3.899	96	104964m	1.916	ppbv	
19) Isopropyl Alcohol	3.600	45	102762	1.711	ppbv #	90
20) Methylene Chloride	3.947	84	90323	1.827	ppbv	97
21) Allyl Chloride	4.012	41	155325	1.830	ppbv	95
22) trans-1,2-Dichloroethene	4.456	96	104107	1.871	ppbv	93
23) Vinyl Acetate	4.636	43	92762	1.788	ppbv #	95
24) 1,1-Dichloroethane	4.574	63	211965	1.792	ppbv	95
25) Ethyl Acetate	5.214	43	502864	2.041	ppbv	98
26) Hexane	5.221	57	212125	2.114	ppbv	98
27) Carbon Disulfide	4.137	76	239612	1.907	ppbv #	94
28) Methyl tert-Butyl Ether	4.603	73	169878	1.785	ppbv	94
29) Chloroform	5.282	83	321589	2.000	ppbv	97
30) Cyclohexane	6.603	84	167844	1.990	ppbv #	85
31) cis-1,2-Dichloroethene	5.086	61	191111	2.124	ppbv	98
32) 1,1,1-Trichloroethane	6.012	97	305425m	2.189	ppbv	
34) 2-Butanone	4.803	43	257520	2.072	ppbv	98
35) Carbon Tetrachloride	6.494	117	320395	2.294	ppbv	95
36) Benzene	6.375	78	436728	2.148	ppbv	96
37) 1,2-Dichloroethane	5.812	62	232556	2.123	ppbv	98
38) Trichloroethene	7.291	130	247407	2.268	ppbv	97
39) 1,2-Dichloropropane	7.076	63	164845	2.113	ppbv	96
40) 1,4-Dioxane	7.311	88	59987m	2.008	ppbv	
41) Tetrahydrofuran	5.571	42	162446	2.039	ppbv	99
42) Bromodichloromethane	7.250	83	320944	2.133	ppbv	98
43) Methyl Methacrylate	7.478	69	151126	2.066	ppbv	97
44) 2,2,4-Trimethylpentane	7.324	57	747310	2.169	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	115550	1.908	ppbv	89

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	182815	2.131	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	171780	2.028	ppbv	95
48) Dibromochloromethane	9.703	129	285993	2.238	ppbv	99
49) Bromoform	12.401	173	236447	2.298	ppbv	98
50) 4-Methyl-2-Pentanone	8.188	43	428946	2.117	ppbv	97
51) 2-Hexanone	9.555	43	296746	2.043	ppbv #	99
52) Tetrachloroethene	10.610	164	162446	2.213	ppbv	98
53) Toluene	9.217	91	467986	2.131	ppbv	98
54) 1,2-Dibromoethane	10.002	107	181274	2.128	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	219274	2.165	ppbv #	1
57) Chlorobenzene	11.520	112	392371	2.143	ppbv	97
58) Ethyl Benzene	12.082	91	624886	2.168	ppbv	100
59) m/p-Xylene	12.365	91	1112042m	4.365	ppbv	
60) o-Xylene	13.050	91	521712	2.141	ppbv	99
61) Styrene	12.889	104	274641	2.154	ppbv	99
62) Isopropylbenzene	14.021	105	789828	2.176	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	204512	2.196	ppbv	100
64) n-propylbenzene	14.908	120	198917	2.181	ppbv	91
65) tert-Butylbenzene	16.082	119	723434	2.275	ppbv	99
66) Benzyl Chloride	16.323	91	43181m	1.943	ppbv	
67) sec-Butylbenzene	16.625	105	991407	2.253	ppbv	99
69) p-Isopropyltoluene	16.989	119	814051	2.296	ppbv	99
70) n-Butylbenzene	17.879	91	789071	2.313	ppbv	98
71) 2-Chlorotoluene	14.796	91	564493	2.185	ppbv	100
72) 4-Ethyltoluene	15.188	105	593320	2.181	ppbv	97
73) 1,3,5-Trimethylbenzene	15.343	105	539239	2.130	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	623034	2.240	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	361364	2.169	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	335026	2.059	ppbv	95
77) 1,2-Dichlorobenzene	17.133	146	346333	2.139	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	274983	2.351	ppbv	99
79) Naphthalene	21.374	128	437481	2.687	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	134228	2.760	ppbv	92
81) 1,2,4-Trichlorobenzene	21.133	180	260304	2.386	ppbv #	100

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

Manual Integrations

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