

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039021.D
 Acq On : 11 May 2022 14:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 11 15:27:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 11 15:27:48 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/11/2022
 Supervised By : Mahesh Dadoda 05/16/2022

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

Internal Standards						
1) Bromochloromethane	5.649	49	1017562	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2864050	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.057	117	2594368m	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.384	95	1901368	9.254	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	1399969	8.781	ppbv	98
3) Chlorodifluoromethane	2.983	51	1197825	9.486	ppbv	96
4) Chloromethane	3.134	50	625913	9.899	ppbv	95
5) Vinyl Chloride	3.250	62	594415	10.294	ppbv	95
6) Bromomethane	3.465	94	290663	10.656	ppbv	95
7) Chloroethane	3.549	64	202728	10.490	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	1393630	9.645	ppbv	95
9) Propene	3.002	41	619084	11.227	ppbv	93
10) Heptane	8.099	43	1511398	11.172	ppbv	99
11) Trichlorofluoromethane	3.938	101	1273673	9.311	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.472	101	936668	9.940	ppbv	94
13) Ethanol	3.604	45	29701m	7.611	ppbv	
14) Bromoethene	3.732	108	418723	10.776	ppbv	98
15) Acetone	3.835	43	952314	9.921	ppbv	100
16) 1,3-Butadiene	3.321	39	554019	10.046	ppbv	98
17) tert-Butyl alcohol	4.269	59	811609	11.001	ppbv	99
18) 1,1-Dichloroethene	4.276	96	417326	10.290	ppbv	96
19) Isopropyl Alcohol	3.948	45	480347	10.525	ppbv #	98
20) Methylene Chloride	4.330	84	339416	9.382	ppbv	98
21) Allyl Chloride	4.398	41	701663	10.728	ppbv	99
22) trans-1,2-Dichloroethene	4.870	96	443007	10.113	ppbv	94
23) Vinyl Acetate	5.057	43	881021	11.600	ppbv #	96
24) 1,1-Dichloroethane	4.993	63	881741	10.082	ppbv	99
25) Ethyl Acetate	5.655	43	2560022	11.143	ppbv	100
26) Hexane	5.668	57	1106599	10.841	ppbv	96
27) Carbon Disulfide	4.536	76	1050600	10.834	ppbv	99
28) Methyl tert-Butyl Ether	5.015	73	857560	11.042	ppbv	98
29) Chloroform	5.732	83	1666327	10.090	ppbv	100
30) Cyclohexane	7.108	84	967763	11.324	ppbv	94
31) cis-1,2-Dichloroethene	5.530	61	1091265	10.493	ppbv	91
32) 1,1,1-Trichloroethane	6.491	97	1654060	10.017	ppbv	98
34) 2-Butanone	5.224	43	1364204	9.336	ppbv	97
35) Carbon Tetrachloride	6.996	117	1679902	8.902	ppbv	97
36) Benzene	6.870	78	2398267	9.785	ppbv	97
37) 1,2-Dichloroethane	6.285	62	1233638	8.135	ppbv #	96
38) Trichloroethene	7.812	130	1039508	9.540	ppbv	95
39) 1,2-Dichloropropane	7.587	63	907355	9.514	ppbv	95
40) 1,4-Dioxane	7.803	88	313040	9.139	ppbv #	1
41) Tetrahydrofuran	6.028	42	990061	10.082	ppbv	99
42) Bromodichloromethane	7.767	83	1810427	8.732	ppbv	100
43) Methyl Methacrylate	7.992	69	979331	9.842	ppbv	96
44) 2,2,4-Trimethylpentane	7.848	57	3940437	9.162	ppbv	98
45) t-1,3-Dichloropropene	9.253	75	1044278	10.842	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.681	75	1318770	10.325	ppbv	92
47) 1,1,2-Trichloroethane	9.449	97	971002	9.790	ppbv	99
48) Dibromochloromethane	10.275	129	1555993	9.638	ppbv	100
49) Bromoform	13.008	173	1221896	9.924	ppbv	99
50) 4-Methyl-2-Pentanone	8.713	43	2467767	9.631	ppbv	99
51) 2-Hexanone	10.102	43	1994685	10.667	ppbv #	98
52) Tetrachloroethene	11.195	164	818222	9.342	ppbv	95
53) Toluene	9.780	91	2797887	10.185	ppbv	100
54) 1,2-Dibromoethane	10.584	107	1343871	9.952	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.098	131	1081778	9.503	ppbv	95
57) Chlorobenzene	12.121	112	1963463	10.096	ppbv	93
58) Ethyl Benzene	12.680	91	3656310	9.793	ppbv	99
59) m/p-Xylene	12.963	91	6028539m	18.914	ppbv	
60) o-Xylene	13.661	91	2831609	9.439	ppbv	97
61) Styrene	13.497	104	1761503	10.999	ppbv	95
62) Isopropylbenzene	14.639	105	4194182	9.561	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.645	83	1617897	9.159	ppbv	100
64) n-propylbenzene	15.529	120	1091338	10.289	ppbv	93
65) tert-Butylbenzene	16.716	119	3575277	9.301	ppbv	95
66) Benzyl Chloride	16.957	91	632420	12.587	ppbv	95
67) sec-Butylbenzene	17.265	105	5188512	9.448	ppbv	99
69) p-Isopropyltoluene	17.622	119	4253734	9.588	ppbv	97
70) n-Butylbenzene	18.519	91	4478635	9.502	ppbv	99
71) 2-Chlorotoluene	15.420	91	3170149	9.374	ppbv	96
72) 4-Ethyltoluene	15.806	105	3449846	10.092	ppbv	98
73) 1,3,5-Trimethylbenzene	15.966	105	3028652	9.841	ppbv	94
74) 1,2,4-Trimethylbenzene	16.732	105	3200516	9.498	ppbv	94
75) 1,3-Dichlorobenzene	16.960	146	1852992	10.036	ppbv	98
76) 1,4-Dichlorobenzene	17.105	146	1796572	9.891	ppbv	98
77) 1,2-Dichlorobenzene	17.786	146	1807106	9.896	ppbv	98
78) Hexachloro-1,3-Butadiene	23.342	225	1416713	8.442	ppbv	99
79) Naphthalene	22.153	128	3132731	11.445	ppbv	99
80) Naphthalene,2-methyl-	24.944	142	1086983	13.127	ppbv	93
81) 1,2,4-Trichlorobenzene	21.889	180	1614922	10.068	ppbv	98

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

