

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039189.D
 Acq On : 6 Jun 2022 17:59
 Operator : SY/AP
 Sample : VL0606SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0606ABS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 03:18:53 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 07 03:18:53 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1259745	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3483413	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3311179m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2595082 9.480 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	2093311	9.461	ppbv	98
3) Chlorodifluoromethane	2.992	51	1590469	9.923	ppbv	94
4) Chloromethane	3.143	50	859991	10.445	ppbv	100
5) Vinyl Chloride	3.259	62	809110	10.512	ppbv	98
6) Bromomethane	3.478	94	393172	10.384	ppbv	95
7) Chloroethane	3.558	64	271720	10.132	ppbv	95
8) Dichlorotetrafluoroethane	3.192	85	1934390	9.566	ppbv	93
9) Propene	3.012	41	785676	11.241	ppbv	99
10) Heptane	8.121	43	1904618	11.682	ppbv	98
11) Trichlorofluoromethane	3.950	101	1793074	8.952	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.484	101	1269303	9.583	ppbv	98
13) Ethanol	3.603	45	42514m	11.154	ppbv	
14) Bromoethene	3.742	108	606251	10.181	ppbv	100
15) Acetone	3.848	43	1218561	9.286	ppbv	97
16) 1,3-Butadiene	3.330	39	729573	10.342	ppbv	96
17) tert-Butyl alcohol	4.278	59	1215232	11.939	ppbv	98
18) 1,1-Dichloroethene	4.291	96	600718	10.110	ppbv	96
19) Isopropyl Alcohol	3.957	45	729404	11.851	ppbv #	98
20) Methylene Chloride	4.346	84	480042	8.681	ppbv	96
21) Allyl Chloride	4.410	41	909696	10.276	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	595152	10.410	ppbv	96
23) Vinyl Acetate	5.069	43	1275768	11.750	ppbv	98
24) 1,1-Dichloroethane	5.012	63	1318089	8.860	ppbv	99
25) Ethyl Acetate	5.671	43	3226643	10.910	ppbv	99
26) Hexane	5.687	57	1435753	11.046	ppbv	97
27) Carbon Disulfide	4.552	76	1402004	10.408	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	1389197	9.682	ppbv	99
29) Chloroform	5.751	83	2225350	10.175	ppbv	99
30) Cyclohexane	7.127	84	1277969	11.704	ppbv	94
31) cis-1,2-Dichloroethene	5.549	61	1424701	10.750	ppbv	91
32) 1,1,1-Trichloroethane	6.510	97	2213702	10.344	ppbv	98
34) 2-Butanone	5.240	43	1956619	10.339	ppbv	98
35) Carbon Tetrachloride	7.015	117	2250855	8.853	ppbv	97
36) Benzene	6.889	78	3042045	10.757	ppbv	98
37) 1,2-Dichloroethane	6.304	62	1585399	8.518	ppbv #	95
38) Trichloroethene	7.831	130	1429235	11.003	ppbv	96
39) 1,2-Dichloropropane	7.610	63	1173441	10.432	ppbv	92
40) 1,4-Dioxane	7.822	88	419406	11.325	ppbv #	1
41) Tetrahydrofuran	6.044	42	1240686	10.900	ppbv	99
42) Bromodichloromethane	7.790	83	2415589	9.352	ppbv	99
43) Methyl Methacrylate	8.011	69	1234250	11.204	ppbv	95
44) 2,2,4-Trimethylpentane	7.867	57	5001939	10.111	ppbv	98
45) t-1,3-Dichloropropene	9.275	75	1339545	11.676	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1695582	11.188	ppbv	96
47) 1,1,2-Trichloroethane	9.471	97	1243786	10.598	ppbv	98
48) Dibromochloromethane	10.301	129	2080038	9.926	ppbv	99
49) Bromoform	13.037	173	1715915	9.826	ppbv	98
50) 4-Methyl-2-Pentanone	8.735	43	3051171	10.771	ppbv	97
51) 2-Hexanone	10.124	43	2443109	11.084	ppbv	98
52) Tetrachloroethene	11.217	164	1116998	10.116	ppbv	98
53) Toluene	9.802	91	3550502	10.903	ppbv	99
54) 1,2-Dibromoethane	10.606	107	1698711	10.772	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.121	131	1476656	9.425	ppbv	98
57) Chlorobenzene	12.140	112	2544397	10.213	ppbv	96
58) Ethyl Benzene	12.703	91	4648390	10.192	ppbv	97
59) m/p-Xylene	12.986	91	7740805m	19.273	ppbv	
60) o-Xylene	13.686	91	3668921	9.721	ppbv	97
61) Styrene	13.519	104	2280358	11.283	ppbv	94
62) Isopropylbenzene	14.661	105	5444487	9.706	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.670	83	1926712	9.095	ppbv	100
64) n-propylbenzene	15.555	120	1432686	10.390	ppbv	90
65) tert-Butylbenzene	16.735	119	4743603	9.248	ppbv	95
66) Benzyl Chloride	16.982	91	719227	10.784	ppbv	99
67) sec-Butylbenzene	17.284	105	6672718	9.534	ppbv	99
69) p-Isopropyltoluene	17.644	119	5596044	9.477	ppbv	98
70) n-Butylbenzene	18.538	91	5803836	9.576	ppbv	99
71) 2-Chlorotoluene	15.445	91	4073040	9.522	ppbv	97
72) 4-Ethyltoluene	15.831	105	4462167	10.088	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	3950027	9.901	ppbv	99
74) 1,2,4-Trimethylbenzene	16.754	105	4205555	9.446	ppbv	94
75) 1,3-Dichlorobenzene	16.989	146	2501308	9.926	ppbv	98
76) 1,4-Dichlorobenzene	17.130	146	2433554	9.679	ppbv	98
77) 1,2-Dichlorobenzene	17.808	146	2444694	9.625	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	2220398	9.560	ppbv	99
79) Naphthalene	22.185	128	4798062	13.999	ppbv	99
80) Naphthalene,2-methyl-	24.963	142	1787887	14.041	ppbv	98
81) 1,2,4-Trichlorobenzene	21.914	180	2594150	11.948	ppbv #	100

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

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