

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039255.D
 Acq On : 13 Jun 2022 14:30
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:32:12 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 01:22:18 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	5.674	49	1314614	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3017009	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	2869563	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2652458 11.181 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2243677	9.717	ppbv	98
3) Chlorodifluoromethane	2.996	51	1633872	9.768	ppbv	96
4) Chloromethane	3.150	50	810110	9.429	ppbv	99
5) Vinyl Chloride	3.263	62	861177	10.722	ppbv	99
6) Bromomethane	3.481	94	389465	9.857	ppbv	96
7) Chloroethane	3.565	64	327908	11.716	ppbv	93
8) Dichlorotetrafluoroethane	3.195	85	2250420	10.664	ppbv	99
9) Propene	3.018	41	578442	7.931	ppbv	98
10) Heptane	8.131	43	1496071	8.793	ppbv	99
11) Trichlorofluoromethane	3.957	101	2480399	11.867	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.491	101	1671678	12.094	ppbv	99
13) Ethanol	3.610	45	36139m	9.086	ppbv	
14) Bromoethene	3.745	108	706164	11.364	ppbv	99
15) Acetone	3.854	43	1554548	11.352	ppbv	97
16) 1,3-Butadiene	3.333	39	807038	10.963	ppbv	100
17) tert-Butyl alcohol	4.288	59	1426181	13.427	ppbv	98
18) 1,1-Dichloroethene	4.295	96	738592	11.912	ppbv	95
19) Isopropyl Alcohol	3.964	45	760876	11.846	ppbv #	97
20) Methylene Chloride	4.349	84	609587	10.563	ppbv	95
21) Allyl Chloride	4.420	41	1069541	11.578	ppbv	96
22) trans-1,2-Dichloroethene	4.893	96	768852	12.887	ppbv	97
23) Vinyl Acetate	5.079	43	1244106	10.980	ppbv	98
24) 1,1-Dichloroethane	5.018	63	1518907	9.784	ppbv	98
25) Ethyl Acetate	5.681	43	2900856	9.399	ppbv	99
26) Hexane	5.693	57	1200483	8.851	ppbv	93
27) Carbon Disulfide	4.558	76	1773709	12.617	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1444763	9.649	ppbv	99
29) Chloroform	5.758	83	2244003	9.832	ppbv	99
30) Cyclohexane	7.137	84	958273	8.410	ppbv	97
31) cis-1,2-Dichloroethene	5.555	61	1366878	9.883	ppbv	91
32) 1,1,1-Trichloroethane	6.520	97	2416905	10.822	ppbv	98
34) 2-Butanone	5.250	43	1760636	10.742	ppbv	99
35) Carbon Tetrachloride	7.025	117	2561293	11.631	ppbv	98
36) Benzene	6.899	78	2310517	9.433	ppbv	96
37) 1,2-Dichloroethane	6.314	62	1919665	11.909	ppbv #	96
38) Trichloroethene	7.838	130	1173559	10.431	ppbv	96
39) 1,2-Dichloropropane	7.619	63	912678	9.368	ppbv	92
40) 1,4-Dioxane	7.838	88	333990	10.413	ppbv	88
41) Tetrahydrofuran	6.050	42	939128	9.527	ppbv	99
42) Bromodichloromethane	7.796	83	2476299	11.069	ppbv	100
43) Methyl Methacrylate	8.018	69	980975	10.282	ppbv	95
44) 2,2,4-Trimethylpentane	7.877	57	4062408	9.481	ppbv	96
45) t-1,3-Dichloropropene	9.285	75	1132147	11.394	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1370279	10.439	ppbv	92
47) 1,1,2-Trichloroethane	9.484	97	998964	9.828	ppbv	99
48) Dibromochloromethane	10.311	129	2020903	11.135	ppbv	98
49) Bromoform	13.044	173	1622273	10.726	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	2557850	10.425	ppbv	99
51) 2-Hexanone	10.134	43	2012505	10.542	ppbv #	95
52) Tetrachloroethene	11.230	164	858620	8.978	ppbv	92
53) Toluene	9.812	91	2732701	9.689	ppbv	99
54) 1,2-Dibromoethane	10.616	107	1403978	10.279	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.134	131	1370856	10.096	ppbv	96
57) Chlorobenzene	12.153	112	2065773	9.568	ppbv	96
58) Ethyl Benzene	12.712	91	3825516	9.678	ppbv	96
59) m/p-Xylene	13.002	91	6971500m	20.029	ppbv	
60) o-Xylene	13.696	91	3460489	10.580	ppbv	96
61) Styrene	13.529	104	1771495	10.114	ppbv	96
62) Isopropylbenzene	14.671	105	4910693	10.102	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.683	83	1750311	9.534	ppbv	100
64) n-propylbenzene	15.564	120	1229438	10.288	ppbv	96
65) tert-Butylbenzene	16.748	119	4629696	10.415	ppbv	95
66) Benzyl Chloride	16.989	91	523402	9.055	ppbv	98
67) sec-Butylbenzene	17.294	105	6347479	10.465	ppbv	100
69) p-Isopropyltoluene	17.654	119	5368928	10.492	ppbv	97
70) n-Butylbenzene	18.551	91	5701176	10.854	ppbv	99
71) 2-Chlorotoluene	15.455	91	3809049	10.275	ppbv	98
72) 4-Ethyltoluene	15.841	105	4031650	10.517	ppbv	97
73) 1,3,5-Trimethylbenzene	15.998	105	3717112	10.751	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	4142644	10.737	ppbv	97
75) 1,3-Dichlorobenzene	16.998	146	2266944	10.380	ppbv	98
76) 1,4-Dichlorobenzene	17.140	146	2164238	9.932	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	2195622	9.975	ppbv	98
78) Hexachloro-1,3-Butadiene	23.384	225	1860555	9.244	ppbv	99
79) Naphthalene	22.204	128	3276723	11.032	ppbv	100
80) Naphthalene,2-methyl-	24.976	142	975710	8.842	ppbv	91
81) 1,2,4-Trichlorobenzene	21.937	180	1937402	10.296	ppbv #	100

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

