

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039070.D
 Acq On : 17 May 2022 15:06
 Operator : SY/AP
 Sample : VL0517ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0517ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/18/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 18 03:25:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	910764	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2187753	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2020199m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1649187	10.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1176883	8.247	ppbv 97
3) Chlorodifluoromethane	3.00	51	1146661	10.146	ppbv 98
4) Chloromethane	3.15	50	522787	9.237	ppbv 95
5) Vinyl Chloride	3.27	62	546076	10.566	ppbv 93
6) Bromomethane	3.49	94	262519	10.753	ppbv 97
7) Chloroethane	3.57	64	193264	11.173	ppbv 93
8) Dichlorotetrafluoroethane	3.20	85	1366063	10.563	ppbv 99
9) Propene	3.02	41	451326	9.145	ppbv 99
10) Heptane	8.14	43	1174668	9.701	ppbv 97
11) Trichlorofluoromethane	3.97	101	1314678	10.737	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	917353	10.876	ppbv 98
13) Ethanol	3.62	45	45383m	12.994	ppbv
14) Bromoethene	3.75	108	394475	11.342	ppbv 97
15) Acetone	3.86	43	897751	10.450	ppbv 100
16) 1,3-Butadiene	3.34	39	497517	10.079	ppbv 98
17) tert-Butyl alcohol	4.29	59	789633	11.959	ppbv 98
18) 1,1-Dichloroethene	4.31	96	407137	11.216	ppbv 97
19) Isopropyl Alcohol	3.97	45	465194	11.388	ppbv 100
20) Methylene Chloride	4.36	84	335299	10.355	ppbv 99
21) Allyl Chloride	4.43	41	613988	10.488	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	420621	10.727	ppbv 99
23) Vinyl Acetate	5.09	43	592075	8.710	ppbv 97
24) 1,1-Dichloroethane	5.02	63	831101	10.618	ppbv 100
25) Ethyl Acetate	5.69	43	2295836	11.165	ppbv 99
26) Hexane	5.70	57	924394	10.118	ppbv 94
27) Carbon Disulfide	4.57	76	949682	10.942	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	766644	11.029	ppbv 99
29) Chloroform	5.77	83	1551654	10.497	ppbv 98
30) Cyclohexane	7.15	84	737069	9.636	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	953608	10.245	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1584386	10.720	ppbv 99
34) 2-Butanone	5.26	43	1252068	11.218	ppbv 100
35) Carbon Tetrachloride	7.03	117	1628916	11.300	ppbv 98
36) Benzene	6.91	78	1827198	9.759	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1252189	10.810	ppbv 98
38) Trichloroethene	7.85	130	710757	8.540	ppbv 98
39) 1,2-Dichloropropane	7.63	63	721306	9.901	ppbv 94
40) 1,4-Dioxane	7.84	88	243782	9.317	ppbv # 1
41) Tetrahydrofuran	6.06	42	735701	9.807	ppbv 99
42) Bromodichloromethane	7.81	83	1706320	10.774	ppbv 98
43) Methyl Methacrylate	8.03	69	791023	10.407	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3179999	9.680	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	658153	8.945	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	910698	9.334	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	763401	10.076	ppbv	97
48) Dibromochloromethane	10.32	129	1363538	11.057	ppbv	100
49) Bromoform	13.06	173	1083990	11.526	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1922125	9.821	ppbv	100
51) 2-Hexanone	10.15	43	1423694	9.967	ppbv #	100
52) Tetrachloroethene	11.24	164	653142	9.762	ppbv	99
53) Toluene	9.82	91	2126066	10.132	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1101631	10.680	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	989735	11.166	ppbv	95
57) Chlorobenzene	12.16	112	1533186	10.125	ppbv	100
58) Ethyl Benzene	12.73	91	2941667	10.118	ppbv	97
59) m/p-Xylene	13.01	91	5072749m	20.438	ppbv	
60) o-Xylene	13.71	91	2449787	10.487	ppbv	97
61) Styrene	13.54	104	1284479	10.300	ppbv	100
62) Isopropylbenzene	14.68	105	3627513	10.619	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	1644022	11.952	ppbv	100
64) n-propylbenzene	15.57	120	899780	10.894	ppbv	98
65) tert-Butylbenzene	16.76	119	3199058	10.688	ppbv	99
66) Benzyl Chloride	17.00	91	200958	5.136	ppbv	99
67) sec-Butylbenzene	17.30	105	4572204	10.692	ppbv	99
69) p-Isopropyltoluene	17.66	119	3790694	10.973	ppbv	99
70) n-Butylbenzene	18.56	91	4043722	11.017	ppbv	99
71) 2-Chlorotoluene	15.46	91	2766747	10.506	ppbv	100
72) 4-Ethyltoluene	15.85	105	2794084	10.497	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2549908	10.640	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	2810273	10.710	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	1554655	10.814	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	1490188	10.536	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	1512766	10.639	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1183243m	9.055	ppbv	
79) Naphthalene	22.20	128	2148806	10.082	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	498699	7.735	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1199753m	9.606	ppbv	

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

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