

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039206.D
 Acq On : 7 Jun 2022 12:56
 Operator : SY/AP
 Sample : VL0607ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0607ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 05:19:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1116429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3060732	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2884252m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2314731	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1816025	9.261 ppbv	98
3) Chlorodifluoromethane	2.99	51	1451779	10.220 ppbv	96
4) Chloromethane	3.14	50	710135	9.732 ppbv	98
5) Vinyl Chloride	3.26	62	716957	10.511 ppbv	98
6) Bromomethane	3.48	94	328531	9.791 ppbv	97
7) Chloroethane	3.56	64	248319	10.448 ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1724516	9.623 ppbv	94
9) Propene	3.01	41	658370	10.629 ppbv	98
10) Heptane	8.12	43	1675912	11.598 ppbv	99
11) Trichlorofluoromethane	3.95	101	1653894	9.317 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1180412	10.056 ppbv	98
13) Ethanol	3.61	45	46863m	13.873 ppbv	
14) Bromoethene	3.74	108	534404	10.127 ppbv	99
15) Acetone	3.85	43	1227010	10.551 ppbv	99
16) 1,3-Butadiene	3.33	39	647580	10.359 ppbv	98
17) tert-Butyl alcohol	4.28	59	1133589	12.567 ppbv	99
18) 1,1-Dichloroethene	4.29	96	528895	10.044 ppbv	92
19) Isopropyl Alcohol	3.96	45	642097	11.772 ppbv	99
20) Methylene Chloride	4.34	84	410730	8.381 ppbv	98
21) Allyl Chloride	4.41	41	776901	9.903 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	535884	10.577 ppbv	94
23) Vinyl Acetate	5.07	43	727447	7.560 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1062441	8.059 ppbv	99
25) Ethyl Acetate	5.67	43	3201684	12.215 ppbv	99
26) Hexane	5.69	57	1282975	11.138 ppbv	92
27) Carbon Disulfide	4.55	76	1250968	10.478 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	997659	7.845 ppbv	100
29) Chloroform	5.75	83	2007185	10.355 ppbv	99
30) Cyclohexane	7.13	84	1118384	11.558 ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	1246727	10.615 ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2017967	10.640 ppbv	98
34) 2-Butanone	5.24	43	1700798	10.228 ppbv	98
35) Carbon Tetrachloride	7.02	117	2043606	9.148 ppbv	97
36) Benzene	6.89	78	2663932	10.721 ppbv	97
37) 1,2-Dichloroethane	6.30	62	1460597	8.931 ppbv #	96
38) Trichloroethene	7.83	130	1102902	9.663 ppbv	95
39) 1,2-Dichloropropane	7.61	63	1049137	10.615 ppbv	92
40) 1,4-Dioxane	7.83	88	398656	12.252 ppbv	70
41) Tetrahydrofuran	6.04	42	1076469	10.764 ppbv	99
42) Bromodichloromethane	7.79	83	2186358	9.633 ppbv	98
43) Methyl Methacrylate	8.01	69	1148571	11.867 ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4437604	10.209	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	881642	8.746	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1255939	9.431	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1130912	10.967	ppbv	98
48) Dibromochloromethane	10.30	129	1898965	10.314	ppbv	100
49) Bromoform	13.03	173	1613066	10.513	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2729732	10.967	ppbv	98
51) 2-Hexanone	10.12	43	2078532	10.732	ppbv #	98
52) Tetrachloroethene	11.22	164	1022597	10.540	ppbv	98
53) Toluene	9.80	91	3170081	11.079	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1590080	11.476	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1443590	10.578	ppbv	95
57) Chlorobenzene	12.14	112	2321007	10.695	ppbv	98
58) Ethyl Benzene	12.70	91	4294469	10.809	ppbv	99
59) m/p-Xylene	12.99	91	7209599m	20.607	ppbv	
60) o-Xylene	13.68	91	3383130	10.291	ppbv	97
61) Styrene	13.52	104	2014573	11.444	ppbv	94
62) Isopropylbenzene	14.66	105	5303766	10.855	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2308667	12.511	ppbv	99
64) n-propylbenzene	15.55	120	1415707	11.786	ppbv	91
65) tert-Butylbenzene	16.73	119	4723014	10.571	ppbv	95
66) Benzyl Chloride	16.98	91	343863	5.919	ppbv	98
67) sec-Butylbenzene	17.28	105	6708122	11.003	ppbv	99
69) p-Isopropyltoluene	17.64	119	5653861	10.992	ppbv	98
70) n-Butylbenzene	18.54	91	5821142	11.026	ppbv	99
71) 2-Chlorotoluene	15.45	91	4015135	10.776	ppbv	98
72) 4-Ethyltoluene	15.83	105	4190349	10.876	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3776709	10.868	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4066032	10.484	ppbv	92
75) 1,3-Dichlorobenzene	16.99	146	2416023	11.006	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2310909	10.551	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2369210	10.709	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1874478	9.265	ppbv	99
79) Naphthalene	22.18	128	3602298	12.066	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1031283	9.298	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	2010913m	10.632	ppbv	

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

