

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038717.D
 Acq On : 23 Mar 2022 15:44
 Operator : SY/AP
 Sample : VL0323ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Manual Integrations
 APPROVED

Quant Time: Mar 24 12:26:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A

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

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	780742	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2078410	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1975670m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1424612	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	883862	8.42	ppbv	98
3) Chlorodifluoromethane	2.99	51	807190	9.79	ppbv	98
4) Chloromethane	3.14	50	437956	9.67	ppbv	100
5) Vinyl Chloride	3.25	62	458114	9.96	ppbv	99
6) Bromomethane	3.47	94	264220	10.77	ppbv	98
7) Chloroethane	3.55	64	156972	10.31	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1074405	10.25	ppbv	98
9) Propene	3.01	41	363299	9.13	ppbv	99
10) Heptane	8.11	43	962445	10.11	ppbv	99
11) Trichlorofluoromethane	3.94	101	1035886	11.18	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	785437	11.01	ppbv	99
13) Ethanol	3.60	45	37814m	8.61	ppbv	
14) Bromoethene	3.73	108	345871	10.91	ppbv	98
15) Acetone	3.84	43	693478	10.29	ppbv	100
16) 1,3-Butadiene	3.32	39	405720	10.61	ppbv	99
17) tert-Butyl alcohol	4.28	59	724368	12.31	ppbv	100
18) 1,1-Dichloroethene	4.28	96	357804	11.17	ppbv	96
19) Isopropyl Alcohol	3.95	45	411713	11.02	ppbv	99
20) Methylene Chloride	4.34	84	289196	10.19	ppbv	98
21) Allyl Chloride	4.40	41	530217	10.94	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	382288	11.51	ppbv	99
23) Vinyl Acetate	5.06	43	777266	11.91	ppbv	99
24) 1,1-Dichloroethane	5.00	63	708488	11.03	ppbv	100
25) Ethyl Acetate	5.66	43	1707715	10.07	ppbv	99
26) Hexane	5.67	57	757700	9.98	ppbv	99
27) Carbon Disulfide	4.54	76	926651	12.44	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	661874	11.70	ppbv	99
29) Chloroform	5.74	83	1247631	10.26	ppbv	100
30) Cyclohexane	7.11	84	646420	9.79	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	757853	10.62	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	1244071	10.60	ppbv	99
34) 2-Butanone	5.23	43	803766	9.77	ppbv	98
35) Carbon Tetrachloride	7.00	117	1302290	10.80	ppbv	98
36) Benzene	6.88	78	1623895	10.12	ppbv	100
37) 1,2-Dichloroethane	6.29	62	866281	10.62	ppbv	99
38) Trichloroethene	7.82	130	700801	10.43	ppbv	98
39) 1,2-Dichloropropane	7.60	63	614219	9.79	ppbv	95
40) 1,4-Dioxane	7.81	88	231928	10.65	ppbv	93
41) Tetrahydrofuran	6.03	42	614146	10.03	ppbv	99
42) Bromodichloromethane	7.77	83	1347783	11.02	ppbv	99
43) Methyl Methacrylate	8.00	69	642569	10.79	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2643106	9.81	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	743082	12.27	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	945398	11.55	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	664008	9.92	ppbv	99
48) Dibromochloromethane	10.28	129	1161119	11.07	ppbv	99
49) Bromoform	13.02	173	941190	11.01	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1576349	10.31	ppbv	99
51) 2-Hexanone	10.11	43	1206403	10.98	ppbv #	99
52) Tetrachloroethene	11.20	164	582226	9.92	ppbv	97
53) Toluene	9.79	91	1846327	10.71	ppbv	99
54) 1,2-Dibromoethane	10.59	107	980788	10.73	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	804611	9.82	ppbv	98
57) Chlorobenzene	12.13	112	1352643	9.49	ppbv	99
58) Ethyl Benzene	12.69	91	2365569	10.24	ppbv	100
59) m/p-Xylene	12.98	91	4032978m	19.96	ppbv	
60) o-Xylene	13.67	91	1933384	10.08	ppbv	100
61) Styrene	13.51	104	1168636	11.23	ppbv	99
62) Isopropylbenzene	14.65	105	2811222	9.75	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1250817	8.42	ppbv	99
64) n-propylbenzene	15.54	120	748916	9.90	ppbv	98
65) tert-Butylbenzene	16.72	119	2491066	9.61	ppbv	98
66) Benzyl Chloride	16.97	91	598258	12.19	ppbv	99
67) sec-Butylbenzene	17.28	105	3577148	9.65	ppbv	100
69) p-Isopropyltoluene	17.63	119	2989394	9.88	ppbv	99
70) n-Butylbenzene	18.53	91	3122720	10.01	ppbv	100
71) 2-Chlorotoluene	15.43	91	2093668	9.78	ppbv	100
72) 4-Ethyltoluene	15.82	105	2295927	10.14	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2058015	9.97	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2177778	9.69	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	1354087	9.46	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1318216	9.26	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	1322298	9.32	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1200722	9.16	ppbv	100
79) Naphthalene	22.17	128	2205555m	12.84	ppbv	
80) Naphthalene,2-methyl-	24.95	142	506820	11.01	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1266460	10.77	ppbv	100

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

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