

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035103.D
 Acq On : 19 Jun 2020 20:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061920

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:09:15 PM

Quant Time: Jun 20 02:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368056	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3226825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3388099	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2594463	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1595348	8.636 ppbv	98
3) Chlorodifluoromethane	2.93	51	1380397	9.134 ppbv	99
4) Chloromethane	3.09	50	819033	9.668 ppbv	98
5) Vinyl Chloride	3.21	62	782639	9.715 ppbv	98
6) Bromomethane	3.43	94	462324	9.241 ppbv	97
7) Chloroethane	3.51	64	284387	9.361 ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1737017	8.770 ppbv	99
9) Propene	2.96	41	627575	10.487 ppbv	99
10) Heptane	8.12	43	1602158	10.331 ppbv	100
11) Trichlorofluoromethane	3.91	101	1731898	8.776 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1219411	8.936 ppbv	98
13) Ethanol	3.56	45	160965m	7.120 ppbv	
14) Bromoethene	3.70	108	566196	9.625 ppbv	100
15) Acetone	3.81	43	1366641	8.263 ppbv	100
16) 1,3-Butadiene	3.28	39	721158	9.941 ppbv	99
17) tert-Butyl alcohol	4.26	59	1404602	9.582 ppbv	99
18) 1,1-Dichloroethene	4.25	96	576740	9.371 ppbv	98
19) Isopropyl Alcohol	3.93	45	1007981	9.386 ppbv	99
20) Methylene Chloride	4.31	84	508466	7.596 ppbv	92
21) Allyl Chloride	4.38	41	960134	9.767 ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	559677	9.719 ppbv	95
23) Vinyl Acetate	5.05	43	2140436	10.661 ppbv	99
24) 1,1-Dichloroethane	4.98	63	1579354	9.331 ppbv	100
25) Ethyl Acetate	5.66	43	2801942	9.387 ppbv	100
26) Hexane	5.67	57	1247971	9.273 ppbv	99
27) Carbon Disulfide	4.52	76	1455217	10.449 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1893155	10.012 ppbv	99
29) Chloroform	5.74	83	1906929	9.054 ppbv	100
30) Cyclohexane	7.12	84	1057734	10.951 ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1277054	10.294 ppbv	92
32) 1,1,1-Trichloroethane	6.50	97	1829326	9.365 ppbv	100
34) 2-Butanone	5.22	43	1840215	9.931 ppbv	99
35) Carbon Tetrachloride	7.01	117	1868922	9.657 ppbv	99
36) Benzene	6.89	78	2498509	9.999 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1479904	9.371 ppbv	99
38) Trichloroethene	7.84	130	958133	9.872 ppbv	99
39) 1,2-Dichloropropane	7.61	63	984786	10.077 ppbv	98
40) 1,4-Dioxane	7.82	88	365670	9.486 ppbv	# 95
41) Tetrahydrofuran	6.03	42	1037890	10.966 ppbv	98
42) Bromodichloromethane	7.79	83	2029408	9.923 ppbv	97
43) Methyl Methacrylate	8.01	69	1135551	10.737 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4238034	9.718	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1253884	12.182	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1475740	11.541	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	1025573	9.615	ppbv	97
48) Dibromochloromethane	10.32	129	1674146	10.529	ppbv	99
49) Bromoform	13.07	173	1440644	10.665	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2687162	10.206	ppbv	99
51) 2-Hexanone	10.14	43	2190156	10.622	ppbv	100
52) Tetrachloroethene	11.24	164	877497	9.967	ppbv	92
53) Toluene	9.82	91	2859775	10.730	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1563588	9.901	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1265934	9.130	ppbv #	59
57) Chlorobenzene	12.17	112	2153447	8.638	ppbv	99
58) Ethyl Benzene	12.73	91	3790026	9.956	ppbv	98
59) m/p-Xylene	13.02	91	6284849m	18.629	ppbv	
60) o-Xylene	13.72	91	3081087	9.173	ppbv	100
61) Styrene	13.55	104	2244293	10.619	ppbv	98
62) Isopropylbenzene	14.69	105	4515619	9.010	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2160994	7.944	ppbv	99
64) n-propylbenzene	15.59	120	1186466	9.276	ppbv	97
65) tert-Butylbenzene	16.78	119	3854437	8.981	ppbv	99
66) Benzyl Chloride	17.02	91	1451344	10.947	ppbv	99
67) sec-Butylbenzene	17.33	105	5497652	8.937	ppbv	100
69) p-Isopropyltoluene	17.68	119	4503808	9.179	ppbv	100
70) n-Butylbenzene	18.59	91	4704278	8.901	ppbv	100
71) 2-Chlorotoluene	15.48	91	3498609	9.235	ppbv	100
72) 4-Ethyltoluene	15.87	105	3604572	9.647	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3333687	9.439	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3421449	8.680	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1945936	8.272	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1975186	8.777	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1852669	8.607	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1536200	7.940	ppbv	99
79) Naphthalene	22.25	128	3384802	9.794	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1658984	12.555	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1785876	8.958	ppbv	99

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

