

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036394.D
 Acq On : 25 Feb 2021 23:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:03:23 AM

Quant Time: Feb 26 03:28:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1519611	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3468939	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3196117	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2801821	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2070817	9.131	ppbv	100
3) Chlorodifluoromethane	2.97	51	1935249	10.250	ppbv	99
4) Chloromethane	3.12	50	970270	10.637	ppbv	100
5) Vinyl Chloride	3.24	62	948601	11.168	ppbv	94
6) Bromomethane	3.46	94	538474	10.666	ppbv	97
7) Chloroethane	3.54	64	335591	11.127	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2146968	10.409	ppbv	97
9) Propene	3.00	41	884016	12.558	ppbv	99
10) Heptane	8.10	43	2247164	10.831	ppbv	100
11) Trichlorofluoromethane	3.93	101	2327642	10.481	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1499558	10.901	ppbv	98
13) Ethanol	3.59	45	125044m	9.457	ppbv	
14) Bromoethene	3.73	108	615041	10.682	ppbv	100
15) Acetone	3.83	43	1814201	9.767	ppbv	97
16) 1,3-Butadiene	3.31	39	924363	10.407	ppbv	100
17) tert-Butyl alcohol	4.28	59	1534716	10.644	ppbv	98
18) 1,1-Dichloroethene	4.28	96	639098	10.223	ppbv	100
19) Isopropyl Alcohol	3.95	45	985790	9.579	ppbv #	98
20) Methylene Chloride	4.33	84	560936	9.360	ppbv	99
21) Allyl Chloride	4.39	41	1043963	10.094	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	615130	10.832	ppbv	94
23) Vinyl Acetate	5.06	43	2337966	10.705	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1693572	10.485	ppbv	99
25) Ethyl Acetate	5.66	43	3781485	10.545	ppbv	99
26) Hexane	5.67	57	1549037	10.513	ppbv	99
27) Carbon Disulfide	4.53	76	1638901	12.103	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	2068712	10.748	ppbv	99
29) Chloroform	5.74	83	2436480	10.264	ppbv	97
30) Cyclohexane	7.11	84	1289167	10.521	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1561416	10.710	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2388395	10.762	ppbv	99
34) 2-Butanone	5.23	43	2364522	10.259	ppbv	99
35) Carbon Tetrachloride	7.00	117	2439812	10.494	ppbv	98
36) Benzene	6.88	78	3188502	10.820	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1916702	10.520	ppbv	100
38) Trichloroethene	7.82	130	1116092	10.573	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1289522	10.773	ppbv	97
40) 1,4-Dioxane	7.81	88	402069	9.694	ppbv #	23
41) Tetrahydrofuran	6.03	42	1413285	10.988	ppbv	99
42) Bromodichloromethane	7.78	83	2699768	11.064	ppbv	98
43) Methyl Methacrylate	8.00	69	1393853	11.216	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5506171	10.276	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1484705	12.385	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1805982	11.859	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1273420	10.395	ppbv	95
48) Dibromochloromethane	10.29	129	2062473	11.283	ppbv	99
49) Bromoform	13.03	173	1658045	11.220	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3760637	10.991	ppbv	100
51) 2-Hexanone	10.11	43	2972832	11.435	ppbv #	99
52) Tetrachloroethene	11.21	164	1023794	9.490	ppbv	97
53) Toluene	9.79	91	3542394	11.098	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1840146	10.394	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1547411	10.526	ppbv #	61
57) Chlorobenzene	12.13	112	2512116	10.173	ppbv	97
58) Ethyl Benzene	12.70	91	4745377	10.843	ppbv	97
59) m/p-Xylene	12.98	91	8052344m	20.947	ppbv	
60) o-Xylene	13.68	91	3799161	10.336	ppbv	100
61) Styrene	13.51	104	2645538	11.614	ppbv	99
62) Isopropylbenzene	14.65	105	5580608	10.129	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2665953	9.193	ppbv	100
64) n-propylbenzene	15.55	120	1460161	10.769	ppbv	98
65) tert-Butylbenzene	16.73	119	4727571	10.029	ppbv	99
66) Benzyl Chloride	16.98	91	1561870	12.188	ppbv	99
67) sec-Butylbenzene	17.28	105	6697215	9.852	ppbv	98
69) p-Isopropyltoluene	17.64	119	5556818	10.577	ppbv	100
70) n-Butylbenzene	18.54	91	5970605	10.598	ppbv	100
71) 2-Chlorotoluene	15.44	91	4344426	10.287	ppbv	98
72) 4-Ethyltoluene	15.82	105	4329881	10.585	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4085377	10.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4102955	10.136	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2249375	10.237	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2188220	9.591	ppbv	95
77) 1,2-Dichlorobenzene	17.81	146	2210630	10.142	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1730936	9.720	ppbv	99
79) Naphthalene	22.18	128	3565654	14.860	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	877034	19.740	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	1797686	12.279	ppbv	98

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

