

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036217.D
 Acq On : 13 Jan 2021 7:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:49:04 PM

Quant Time: Jan 14 16:16:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1452193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3318156	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3189122m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2653095	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1765678	9.070	ppbv	99
3) Chlorodifluoromethane	2.98	51	1645674	9.227	ppbv	100
4) Chloromethane	3.13	50	807742	9.164	ppbv	95
5) Vinyl Chloride	3.25	62	783596	9.394	ppbv	97
6) Bromomethane	3.47	94	430983	9.242	ppbv	99
7) Chloroethane	3.55	64	270320	9.411	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1719990	9.120	ppbv	98
9) Propene	3.00	41	766318	9.023	ppbv	98
10) Heptane	8.12	43	1993201	9.455	ppbv	99
11) Trichlorofluoromethane	3.94	101	1801618	9.104	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1132480	9.439	ppbv	98
13) Ethanol	3.60	45	119178m	8.937	ppbv	
14) Bromoethene	3.73	108	522908	9.571	ppbv	95
15) Acetone	3.84	43	1448783	8.146	ppbv	100
16) 1,3-Butadiene	3.32	39	826637	9.541	ppbv	97
17) tert-Butyl alcohol	4.29	59	1384336	9.433	ppbv	100
18) 1,1-Dichloroethene	4.28	96	521752	9.380	ppbv	95
19) Isopropyl Alcohol	3.96	45	983547m	9.173	ppbv	
20) Methylene Chloride	4.34	84	478551m	8.430	ppbv	
21) Allyl Chloride	4.40	41	977552	10.098	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	495645	9.644	ppbv	99
23) Vinyl Acetate	5.07	43	2128542	9.877	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1477592	9.465	ppbv	100
25) Ethyl Acetate	5.67	43	3350539	9.383	ppbv	99
26) Hexane	5.68	57	1330116	8.947	ppbv	99
27) Carbon Disulfide	4.54	76	1314574	11.059	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1948607	9.692	ppbv	96
29) Chloroform	5.75	83	1998135	9.387	ppbv	95
30) Cyclohexane	7.13	84	1109899	9.770	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1368929	9.634	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1982549	9.630	ppbv	99
34) 2-Butanone	5.24	43	2120835	8.679	ppbv	100
35) Carbon Tetrachloride	7.01	117	2001185	9.545	ppbv	97
36) Benzene	6.89	78	2704184	8.894	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1631371	8.917	ppbv	100
38) Trichloroethene	7.83	130	903475	8.023	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1122518	9.093	ppbv	98
40) 1,4-Dioxane	7.83	88	354933m	7.948	ppbv	
41) Tetrahydrofuran	6.04	42	1316150	9.320	ppbv	96
42) Bromodichloromethane	7.79	83	2179163	9.477	ppbv	96
43) Methyl Methacrylate	8.01	69	1236648	9.571	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4776296	8.553	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1355120	11.042	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1613004	10.228	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1090466	9.234	ppbv	95
48) Dibromochloromethane	10.30	129	1755600	10.161	ppbv	99
49) Bromoform	13.04	173	1478377	10.251	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3341057	9.170	ppbv	100
51) 2-Hexanone	10.13	43	2811389	9.781	ppbv #	99
52) Tetrachloroethene	11.22	164	901808	8.049	ppbv	97
53) Toluene	9.80	91	3072301	9.033	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1613315	9.216	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1298001	9.120	ppbv #	57
57) Chlorobenzene	12.14	112	2161369	8.638	ppbv	96
58) Ethyl Benzene	12.71	91	4208241	8.892	ppbv	100
59) m/p-Xylene	12.99	91	6989464m	17.188	ppbv	
60) o-Xylene	13.69	91	3245819	8.281	ppbv	99
61) Styrene	13.53	104	2396946	9.684	ppbv	99
62) Isopropylbenzene	14.67	105	4946166	8.487	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2295995	7.867	ppbv	99
64) n-propylbenzene	15.56	120	1282749	8.958	ppbv	97
65) tert-Butylbenzene	16.75	119	4159736	8.423	ppbv	99
66) Benzyl Chloride	16.99	91	1486755	11.784	ppbv	99
67) sec-Butylbenzene	17.30	105	6021875	8.215	ppbv	100
69) p-Isopropyltoluene	17.65	119	4910593	8.447	ppbv	100
70) n-Butylbenzene	18.55	91	5244045	8.466	ppbv	99
71) 2-Chlorotoluene	15.45	91	3911500	8.539	ppbv	99
72) 4-Ethyltoluene	15.84	105	3903046	8.824	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3687428	8.745	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3644115	8.425	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1993606	8.594	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1968086	8.588	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1947265	8.594	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1485789	8.199	ppbv	98
79) Naphthalene	22.20	128	2843507m	11.247	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	1013944	18.796	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1442868	9.775	ppbv	99

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

