

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037348.D
 Acq On : 6 Aug 2021 17:25
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL080621

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:40 PM

Quant Time: Aug 06 18:54:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	979393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3263172	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2910153m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2164161	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2266658	10.215	ppbv 97
3) Chlorodifluoromethane	2.98	51	1819722	9.317	ppbv 99
4) Chloromethane	3.13	50	639987	9.587	ppbv 99
5) Vinyl Chloride	3.25	62	719096	8.921	ppbv 97
6) Bromomethane	3.47	94	398106	9.901	ppbv 94
7) Chloroethane	3.55	64	258595	9.575	ppbv 92
8) Dichlorotetrafluoroethane	3.18	85	1774631	9.316	ppbv 99
9) Propene	3.01	41	620971	9.473	ppbv 100
10) Heptane	8.11	43	1530833	10.049	ppbv 99
11) Trichlorofluoromethane	3.94	101	1785916	9.386	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1293207	9.142	ppbv 100
13) Ethanol	3.61	45	94295	7.800	ppbv 98
14) Bromoethene	3.74	108	589929	9.802	ppbv 100
15) Acetone	3.84	43	835162	8.183	ppbv 100
16) 1,3-Butadiene	3.32	39	619359	9.028	ppbv 97
17) tert-Butyl alcohol	4.28	59	1047530	9.643	ppbv 99
18) 1,1-Dichloroethene	4.29	96	604564	9.823	ppbv 97
19) Isopropyl Alcohol	3.96	45	586634	9.497	ppbv 100
20) Methylene Chloride	4.34	84	511520	5.985	ppbv 97
21) Allyl Chloride	4.41	41	754044	8.935	ppbv 94
22) trans-1,2-Dichloroethene	4.88	96	573021	9.565	ppbv 96
23) Vinyl Acetate	5.07	43	1547275	10.924	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1279009	10.493	ppbv 98
25) Ethyl Acetate	5.67	43	2369152	9.384	ppbv 99
26) Hexane	5.68	57	1200059	8.413	ppbv 99
27) Carbon Disulfide	4.55	76	1360926	10.989	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1543521	10.864	ppbv 99
29) Chloroform	5.75	83	1848616	9.660	ppbv 100
30) Cyclohexane	7.12	84	1096378	9.855	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1149279	10.207	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1904803	9.388	ppbv 99
34) 2-Butanone	5.24	43	1050530	9.588	ppbv 99
35) Carbon Tetrachloride	7.01	117	2009735	9.842	ppbv 98
36) Benzene	6.88	78	2552341	10.205	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1299628	9.937	ppbv 99
38) Trichloroethene	7.83	130	1098317	8.963	ppbv 97
39) 1,2-Dichloropropane	7.61	63	947569	10.398	ppbv 96
40) 1,4-Dioxane	7.83	88	266290m	9.954	ppbv
41) Tetrahydrofuran	6.04	42	564675	10.476	ppbv 98
42) Bromodichloromethane	7.78	83	1982742	10.544	ppbv 98
43) Methyl Methacrylate	8.01	69	888463	10.917	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4171178	9.974	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	673482	12.762	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	894673	11.913	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1060810	10.077	ppbv	97
48) Dibromochloromethane	10.29	129	1819337	11.191	ppbv	100
49) Bromoform	13.03	173	1507464	12.672	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1552954	10.335	ppbv	97
51) 2-Hexanone	10.13	43	783214	10.403	ppbv #	98
52) Tetrachloroethene	11.21	164	1068478	8.958	ppbv	97
53) Toluene	9.80	91	3062027	10.503	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1523572	10.477	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1246024	10.105	ppbv	98
57) Chlorobenzene	12.14	112	2248483	9.861	ppbv	100
58) Ethyl Benzene	12.70	91	3939681	10.356	ppbv	99
59) m/p-Xylene	12.99	91	6607137m	19.974	ppbv	
60) o-Xylene	13.68	91	3055494	9.966	ppbv	97
61) Styrene	13.52	104	1766192	11.185	ppbv	99
62) Isopropylbenzene	14.65	105	4495246	9.958	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2154247	8.961	ppbv	100
64) n-propylbenzene	15.55	120	1202572	10.505	ppbv	97
65) tert-Butylbenzene	16.73	119	4072301	9.840	ppbv	99
66) Benzyl Chloride	16.98	91	172730	10.486	ppbv	99
67) sec-Butylbenzene	17.28	105	5507893	10.052	ppbv	100
69) p-Isopropyltoluene	17.64	119	4793386	10.130	ppbv	99
70) n-Butylbenzene	18.54	91	4450671	10.539	ppbv	100
71) 2-Chlorotoluene	15.44	91	3223411	10.644	ppbv	99
72) 4-Ethyltoluene	15.83	105	3873952	10.684	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3464961	10.118	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3659957	10.182	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2292606	10.076	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2255649	10.108	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2230302	10.103	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1639314	9.391	ppbv	100
79) Naphthalene	22.18	128	3020947	11.887	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	610927	13.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1781760	10.829	ppbv	99

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

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