

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037462.D
 Acq On : 16 Aug 2021 15:12
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:21 PM

Quant Time: Aug 16 16:24:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 2021
 QLast Update : Mon Aug 16 14:55:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1570716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4617746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4187195m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3066609	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2197063	8.718	ppbv	95
3) Chlorodifluoromethane	2.98	51	2649945	8.810	ppbv	99
4) Chloromethane	3.13	50	991819	9.228	ppbv	94
5) Vinyl Chloride	3.25	62	983808	8.934	ppbv	93
6) Bromomethane	3.47	94	468467	7.767	ppbv	98
7) Chloroethane	3.55	64	343072	9.128	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2285558	8.785	ppbv	99
9) Propene	3.00	41	952198	8.848	ppbv	97
10) Heptane	8.10	43	2378315	9.601	ppbv	98
11) Trichlorofluoromethane	3.94	101	2111601	8.926	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1529912	8.813	ppbv	97
13) Ethanol	3.60	45	92723m	8.854	ppbv	
14) Bromoethene	3.73	108	717498	9.104	ppbv	98
15) Acetone	3.84	43	1174633	7.348	ppbv	99
16) 1,3-Butadiene	3.32	39	972112	9.480	ppbv	98
17) tert-Butyl alcohol	4.27	59	1424638	9.756	ppbv	99
18) 1,1-Dichloroethene	4.28	96	686242	8.703	ppbv	99
19) Isopropyl Alcohol	3.95	45	818157	8.934	ppbv #	98
20) Methylene Chloride	4.33	84	598774	7.481	ppbv	96
21) Allyl Chloride	4.40	41	1096416	8.445	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	690345	8.775	ppbv	95
23) Vinyl Acetate	5.06	43	2188456	9.288	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1498307	8.768	ppbv	99
25) Ethyl Acetate	5.66	43	3712855	9.149	ppbv	99
26) Hexane	5.67	57	1772712	8.934	ppbv	98
27) Carbon Disulfide	4.54	76	1680060	9.501	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1762977	9.252	ppbv	99
29) Chloroform	5.74	83	2493724	8.868	ppbv	100
30) Cyclohexane	7.11	84	1508837	9.127	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1699362	9.463	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2484364	8.992	ppbv	99
34) 2-Butanone	5.23	43	1603588	9.057	ppbv	95
35) Carbon Tetrachloride	7.01	117	2571258	9.422	ppbv	98
36) Benzene	6.88	78	3670403	9.455	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1820934	9.470	ppbv	99
38) Trichloroethene	7.82	130	1436506	9.019	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1392337	9.334	ppbv	97
40) 1,4-Dioxane	7.82	88	359852m	9.847	ppbv	
41) Tetrahydrofuran	6.03	42	878822	9.675	ppbv	99
42) Bromodichloromethane	7.78	83	2732830	9.720	ppbv	98
43) Methyl Methacrylate	8.00	69	1340996	9.911	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6057602	9.272	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	910654	8.941	ppbv	94
46) cis-1,3-Dichloropropene	8.69	75	1212074	8.531	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1462946	9.077	ppbv	98
48) Dibromochloromethane	10.29	129	2357911	10.166	ppbv	98
49) Bromoform	13.02	173	1940781	10.615	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2439250	9.916	ppbv	99
51) 2-Hexanone	10.12	43	1155340	10.210	ppbv #	100
52) Tetrachloroethene	11.20	164	1352482	8.502	ppbv	95
53) Toluene	9.79	91	4256098	9.602	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2100813	9.337	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1621643	9.294	ppbv	99
57) Chlorobenzene	12.13	112	3096611	8.912	ppbv	98
58) Ethyl Benzene	12.69	91	5429818	9.345	ppbv	97
59) m/p-Xylene	12.98	91	9088071m	18.041	ppbv	
60) o-Xylene	13.67	91	4293318	9.131	ppbv	99
61) Styrene	13.51	104	2437502	9.980	ppbv	99
62) Isopropylbenzene	14.65	105	6054407	9.124	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3088280	8.838	ppbv	99
64) n-propylbenzene	15.55	120	1620480	9.596	ppbv	96
65) tert-Butylbenzene	16.73	119	5395778	8.929	ppbv	99
66) Benzyl Chloride	16.97	91	270649	9.900	ppbv	99
67) sec-Butylbenzene	17.28	105	7477444	8.855	ppbv	100
69) p-Isopropyltoluene	17.64	119	6313406	9.175	ppbv	100
70) n-Butylbenzene	18.53	91	6177256	9.394	ppbv	100
71) 2-Chlorotoluene	15.44	91	4473364	9.193	ppbv	100
72) 4-Ethyltoluene	15.82	105	5116666	9.149	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4731090	9.089	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4902514	8.863	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2964641	8.904	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2891465	8.620	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2897863	8.838	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2198622	8.065	ppbv	98
79) Naphthalene	22.17	128	3647150	9.852	ppbv	100
80) Naphthalene, 2-methyl-	24.95	142	1014966	9.842	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2242021	9.652	ppbv	98

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

