

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038219.D
 Acq On : 21 Dec 2021 17:47
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 ICVVL122121

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 18:37:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	750881	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2337905	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2110656m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1669892	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1244237	8.794	ppbv 100
3) Chlorodifluoromethane	3.00	51	1377271	8.729	ppbv 99
4) Chloromethane	3.15	50	501772	9.171	ppbv 99
5) Vinyl Chloride	3.27	62	491206	8.933	ppbv 96
6) Bromomethane	3.48	94	275997	9.850	ppbv 94
7) Chloroethane	3.57	64	165787	8.953	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1191805	8.876	ppbv 98
9) Propene	3.02	41	483800	8.831	ppbv 100
10) Heptane	8.13	43	1210548	8.710	ppbv 99
11) Trichlorofluoromethane	3.96	101	1160784	8.933	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	864925	8.812	ppbv 100
13) Ethanol	3.63	45	62734m	6.754	ppbv
14) Bromoethene	3.75	108	368153	9.415	ppbv 97
15) Acetone	3.86	43	573691	7.613	ppbv 100
16) 1,3-Butadiene	3.34	39	468977	9.135	ppbv 100
17) tert-Butyl alcohol	4.30	59	736086	8.893	ppbv 98
18) 1,1-Dichloroethene	4.30	96	384174	8.938	ppbv 99
19) Isopropyl Alcohol	3.98	45	390700	8.312	ppbv 95
20) Methylene Chloride	4.35	84	315867	7.424	ppbv 96
21) Allyl Chloride	4.42	41	594391	9.324	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	406432	9.268	ppbv 97
23) Vinyl Acetate	5.08	43	973104	9.537	ppbv 99
24) 1,1-Dichloroethane	5.02	63	802976	8.800	ppbv 100
25) Ethyl Acetate	5.68	43	1856847	9.095	ppbv 100
26) Hexane	5.69	57	868026	8.474	ppbv 99
27) Carbon Disulfide	4.56	76	932533	10.342	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	920416	8.941	ppbv 99
29) Chloroform	5.76	83	1358674	8.938	ppbv 99
30) Cyclohexane	7.14	84	791787	8.727	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	819977	10.207	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1400310	9.285	ppbv 99
34) 2-Butanone	5.25	43	623386	8.871	ppbv 100
35) Carbon Tetrachloride	7.02	117	1421320	9.849	ppbv 99
36) Benzene	6.90	78	1933267	8.865	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1034259	9.452	ppbv 100
38) Trichloroethene	7.84	130	699534	8.429	ppbv 96
39) 1,2-Dichloropropane	7.62	63	751906	8.959	ppbv 97
40) 1,4-Dioxane	7.84	88	205370m	8.412	ppbv
41) Tetrahydrofuran	6.06	42	481059	9.346	ppbv 99
42) Bromodichloromethane	7.80	83	1489822	9.569	ppbv 98
43) Methyl Methacrylate	8.02	69	718990	9.580	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3130674	8.451	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	631179	11.364	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	796868	10.365	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	761466	8.742	ppbv	97
48) Dibromochloromethane	10.31	129	1248818	10.195	ppbv	100
49) Bromoform	13.04	173	921270	10.585	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1221507	9.561	ppbv	99
51) 2-Hexanone	10.14	43	544206	8.899	ppbv #	98
52) Tetrachloroethene	11.23	164	644499	8.007	ppbv	98
53) Toluene	9.81	91	2192616	8.714	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1104988	8.942	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	803290	9.150	ppbv	99
57) Chlorobenzene	12.15	112	1530679	8.362	ppbv	99
58) Ethyl Benzene	12.71	91	2889053	8.821	ppbv	99
59) m/p-Xylene	13.00	91	4823337m	17.226	ppbv	
60) o-Xylene	13.70	91	2173861	8.374	ppbv	100
61) Styrene	13.53	104	1216982	9.255	ppbv	98
62) Isopropylbenzene	14.67	105	3086852	8.469	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1566623	7.847	ppbv	100
64) n-propylbenzene	15.56	120	803699	8.869	ppbv	97
65) tert-Butylbenzene	16.74	119	2623255	8.177	ppbv	99
66) Benzyl Chloride	16.99	91	136530	11.418	ppbv	96
67) sec-Butylbenzene	17.29	105	3699304	8.392	ppbv	100
69) p-Isopropyltoluene	17.65	119	2965145	8.363	ppbv	100
70) n-Butylbenzene	18.55	91	2900632	8.605	ppbv	100
71) 2-Chlorotoluene	15.46	91	2329881	8.588	ppbv	99
72) 4-Ethyltoluene	15.84	105	2631593	8.802	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	2350329	8.785	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	2390974	8.509	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	1338567	8.819	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1303041	8.652	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	1238961	8.525	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	706221	7.875	ppbv	99
79) Naphthalene	22.19	128	1381663	9.518	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	319838	11.105	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	727561	8.765	ppbv	98

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

