

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037889.D
 Acq On : 25 Oct 2021 10:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Oct 27 12:00:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1540639	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4616283	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3963563m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2859644	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1737564m	7.061	ppbv	
3) Chlorodifluoromethane	3.00	51	2641194	8.922	ppbv	99
4) Chloromethane	3.15	50	1023830	9.443	ppbv	100
5) Vinyl Chloride	3.26	62	1014727	10.209	ppbv	95
6) Bromomethane	3.48	94	490858	9.130	ppbv	95
7) Chloroethane	3.56	64	354094	9.689	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2272456	9.343	ppbv	98
9) Propene	3.01	41	969480	8.901	ppbv	99
10) Heptane	8.13	43	2441640	9.870	ppbv	100
11) Trichlorofluoromethane	3.96	101	2075676	9.454	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1570407	9.440	ppbv	100
13) Ethanol	3.61	45	99090m	11.124	ppbv	
14) Bromoethene	3.74	108	711264	9.724	ppbv	96
15) Acetone	3.85	43	1492751	10.793	ppbv	100
16) 1,3-Butadiene	3.33	39	934167	9.283	ppbv	96
17) tert-Butyl alcohol	4.29	59	1455439	10.218	ppbv	99
18) 1,1-Dichloroethene	4.30	96	702467	9.292	ppbv	99
19) Isopropyl Alcohol	3.97	45	868841	10.098	ppbv #	95
20) Methylene Chloride	4.35	84	599332	8.577	ppbv	99
21) Allyl Chloride	4.42	41	1140155	9.306	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	735459	9.676	ppbv	99
23) Vinyl Acetate	5.08	43	2054121	9.911	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1438419	9.534	ppbv	98
25) Ethyl Acetate	5.68	43	3773411	9.723	ppbv	99
26) Hexane	5.69	57	1757418	9.196	ppbv	97
27) Carbon Disulfide	4.56	76	1845047	10.894	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1491756	9.376	ppbv	100
29) Chloroform	5.75	83	2536877	9.287	ppbv	97
30) Cyclohexane	7.13	84	1499088	9.251	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1638941	9.447	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2439156	9.418	ppbv	99
34) 2-Butanone	5.25	43	1703550	9.141	ppbv	99
35) Carbon Tetrachloride	7.02	117	2507206	9.563	ppbv	99
36) Benzene	6.90	78	3685653	9.348	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1745597	9.402	ppbv	99
38) Trichloroethene	7.84	130	1486881	9.545	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1436218	9.684	ppbv	96
40) 1,4-Dioxane	7.84	88	264116	7.117	ppbv #	100
41) Tetrahydrofuran	6.06	42	830643	9.102	ppbv	97
42) Bromodichloromethane	7.80	83	2657531	9.745	ppbv	97
43) Methyl Methacrylate	8.02	69	1325568	10.293	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6136407	9.263	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	906627	10.231	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1261456	10.270	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1511639	9.376	ppbv	98
48) Dibromochloromethane	10.31	129	2387757	10.389	ppbv	99
49) Bromoform	13.04	173	1922690	10.933	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2434197	10.034	ppbv	100
51) 2-Hexanone	10.14	43	1154662	10.661	ppbv #	98
52) Tetrachloroethene	11.23	164	1356045	8.840	ppbv	98
53) Toluene	9.81	91	4278939	9.792	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2086927	9.583	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1619533	9.870	ppbv	98
57) Chlorobenzene	12.15	112	3160142	9.719	ppbv	97
58) Ethyl Benzene	12.71	91	5490042	10.315	ppbv	98
59) m/p-Xylene	13.00	91	9255777m	20.260	ppbv	
60) o-Xylene	13.69	91	4322591	9.873	ppbv	99
61) Styrene	13.53	104	2385630	11.265	ppbv	99
62) Isopropylbenzene	14.67	105	5950103	9.743	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3160816	9.355	ppbv	99
64) n-propylbenzene	15.56	120	1612946	10.591	ppbv	97
65) tert-Butylbenzene	16.74	119	5345205	9.946	ppbv	99
66) Benzyl Chloride	16.99	91	288356	10.872	ppbv #	99
67) sec-Butylbenzene	17.29	105	7499168	10.203	ppbv	100
69) p-Isopropyltoluene	17.65	119	6310638	10.620	ppbv	100
70) n-Butylbenzene	18.55	91	6389396	11.319	ppbv	99
71) 2-Chlorotoluene	15.45	91	4381979	10.161	ppbv	99
72) 4-Ethyltoluene	15.84	105	5234115	10.528	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4722284	10.457	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4960143	10.460	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	3051980	10.388	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2991128	10.673	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2958729	10.484	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2210326	9.592	ppbv	99
79) Naphthalene	22.19	128	3737924	12.871	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	967726	12.410	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2248436	12.105	ppbv	100

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

