

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037415.D
 Acq On : 12 Aug 2021 14:49
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:06:58 AM

Quant Time: Aug 12 15:22:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 15:22:53 2021
 QLast Update : Thu Aug 12 11:34:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1318757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3983463	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3668889m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2637059	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2207340	9.260	ppbv	96
3) Chlorodifluoromethane	2.99	51	3420618	13.950	ppbv	100
4) Chloromethane	3.14	50	1259535	13.947	ppbv	99
5) Vinyl Chloride	3.26	62	1363035	14.774	ppbv	98
6) Bromomethane	3.47	94	740473	14.642	ppbv	87
7) Chloroethane	3.56	64	485168	15.358	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2955905	14.214	ppbv	100
9) Propene	3.01	41	1117117	13.381	ppbv	95
10) Heptane	8.13	43	3009257	15.240	ppbv	99
11) Trichlorofluoromethane	3.95	101	2996561	14.953	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174423	15.245	ppbv	99
13) Ethanol	3.61	45	122032m	12.110	ppbv	
14) Bromoethene	3.74	108	992770	15.218	ppbv	100
15) Acetone	3.85	43	1716486	13.662	ppbv	97
16) 1,3-Butadiene	3.33	39	1323627	14.996	ppbv	99
17) tert-Butyl alcohol	4.29	59	1773927	15.781	ppbv	99
18) 1,1-Dichloroethene	4.29	96	987871	15.286	ppbv	95
19) Isopropyl Alcohol	3.97	45	1036670	14.331	ppbv #	98
20) Methylene Chloride	4.35	84	883443	12.948	ppbv	95
21) Allyl Chloride	4.41	41	1565038	15.880	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	981362	16.068	ppbv	95
23) Vinyl Acetate	5.08	43	3206845	15.880	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2273841	14.316	ppbv	99
25) Ethyl Acetate	5.68	43	4717629	14.665	ppbv	99
26) Hexane	5.69	57	2282955	14.014	ppbv	99
27) Carbon Disulfide	4.55	76	2351890	17.226	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2605647	14.977	ppbv	100
29) Chloroform	5.75	83	3408688	14.592	ppbv	99
30) Cyclohexane	7.13	84	1982638	14.703	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	2249093	15.408	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	3334860	14.724	ppbv	100
34) 2-Butanone	5.24	43	2138245	14.127	ppbv	97
35) Carbon Tetrachloride	7.02	117	3518082	15.836	ppbv	97
36) Benzene	6.90	78	4750607	15.028	ppbv	97
37) 1,2-Dichloroethane	6.31	62	2487487	15.384	ppbv	99
38) Trichloroethene	7.84	130	1908043	14.176	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1803535	15.606	ppbv	99
40) 1,4-Dioxane	7.83	88	413077m	13.415	ppbv	
41) Tetrahydrofuran	6.05	42	1129069	15.869	ppbv	98
42) Bromodichloromethane	7.79	83	3583188	15.676	ppbv	96
43) Methyl Methacrylate	8.01	69	1756601	15.966	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7630805	14.472	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1563222	18.926	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1947322	17.428	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1957439	15.030	ppbv	97
48) Dibromochloromethane	10.30	129	3164916	16.477	ppbv	99
49) Bromoform	13.04	173	2451290	16.242	ppbv	91
50) 4-Methyl-2-Pentanone	8.74	43	3107399	15.715	ppbv	99
51) 2-Hexanone	10.14	43	1518090	17.323	ppbv #	99
52) Tetrachloroethene	11.22	164	1746299	13.552	ppbv	94
53) Toluene	9.81	91	5531612	15.089	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2817643	15.284	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.12	131	2043332	14.408	ppbv #	67
57) Chlorobenzene	12.15	112	3942617	13.924	ppbv	96
58) Ethyl Benzene	12.71	91	6909890	14.110	ppbv	96
59) m/p-Xylene	13.00	91	11664276	27.665	ppbv	97
60) o-Xylene	13.70	91	5369253	13.736	ppbv	100
61) Styrene	13.53	104	3118022	15.398	ppbv	99
62) Isopropylbenzene	14.67	105	7904420	14.356	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3927674	13.288	ppbv	99
64) n-propylbenzene	15.56	120	1972090	14.113	ppbv	98
65) tert-Butylbenzene	16.74	119	6709517	13.509	ppbv	98
66) Benzyl Chloride	16.99	91	444223	21.097	ppbv #	98
67) sec-Butylbenzene	17.29	105	9318074	13.649	ppbv	100
69) p-Isopropyltoluene	17.65	119	7985670	14.483	ppbv	99
70) n-Butylbenzene	18.55	91	7893015	15.235	ppbv	99
71) 2-Chlorotoluene	15.46	91	5615125	13.968	ppbv	99
72) 4-Ethyltoluene	15.84	105	6982276	15.273	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	5984630	14.113	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	6204841	14.409	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3830114	14.637	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3863597m	15.037	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	3703582	14.686	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2744317	13.571	ppbv	100
79) Naphthalene	22.19	128	5046648	21.513	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	1511196	32.768	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2953917	18.361	ppbv	99

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

