

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036561.D
 Acq On : 30 Mar 2021 7:47
 Operator : SY/AP
 Sample : VL0330ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0330ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 10:57:28 AM

Quant Time: Mar 30 08:41:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1425509	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3380801	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3177150m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2703594	10.68	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1963569	8.445	ppbv	94
3) Chlorodifluoromethane	2.97	51	2491628	9.355	ppbv	100
4) Chloromethane	3.12	50	855365	9.092	ppbv	99
5) Vinyl Chloride	3.24	62	844203	8.727	ppbv	100
6) Bromomethane	3.45	94	471276	8.849	ppbv	98
7) Chloroethane	3.54	64	296289	8.914	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2021897	9.111	ppbv	98
9) Propene	2.99	41	750432	8.838	ppbv	100
10) Heptane	8.09	43	2005894	9.274	ppbv	99
11) Trichlorofluoromethane	3.93	101	2173843	9.174	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1392258	9.190	ppbv	98
13) Ethanol	3.58	45	77975m	7.712	ppbv	
14) Bromoethene	3.72	108	576842	9.159	ppbv	99
15) Acetone	3.83	43	1229965	8.766	ppbv	97
16) 1,3-Butadiene	3.31	39	901151	9.226	ppbv	97
17) tert-Butyl alcohol	4.27	59	976382	7.994	ppbv	99
18) 1,1-Dichloroethene	4.27	96	585366	8.687	ppbv	93
19) Isopropyl Alcohol	3.95	45	532350m	6.897	ppbv	
20) Methylene Chloride	4.32	84	540825	8.233	ppbv	96
21) Allyl Chloride	4.39	41	960472	8.588	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	576255	9.224	ppbv	95
23) Vinyl Acetate	5.05	43	2114378	8.810	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1555111	8.890	ppbv	98
25) Ethyl Acetate	5.65	43	2918360	8.749	ppbv	99
26) Hexane	5.66	57	1406943	9.089	ppbv	97
27) Carbon Disulfide	4.53	76	1546496	10.142	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1491359	8.170	ppbv	99
29) Chloroform	5.73	83	2234371	9.026	ppbv	100
30) Cyclohexane	7.10	84	1166300	9.290	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1332379	8.899	ppbv	98
32) 1,1,1-Trichloroethane	6.48	97	2228940	8.934	ppbv	98
34) 2-Butanone	5.22	43	1383524	8.384	ppbv	100
35) Carbon Tetrachloride	6.99	117	2339731	9.010	ppbv	98
36) Benzene	6.86	78	2867176	9.196	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1666139	9.079	ppbv	99
38) Trichloroethene	7.81	130	1048438	8.640	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1153050	9.116	ppbv	97
40) 1,4-Dioxane	7.80	88	226223m	7.685	ppbv	
41) Tetrahydrofuran	6.03	42	549862	7.226	ppbv	94
42) Bromodichloromethane	7.76	83	2379880	9.534	ppbv	99
43) Methyl Methacrylate	7.99	69	1096258	10.470	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4931335	8.986	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	961689	8.044	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1243257	8.135	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	1169758	9.131	ppbv	98
48) Dibromochloromethane	10.28	129	1929918	9.882	ppbv	100
49) Bromoform	13.01	173	1584863	10.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2117231	8.867	ppbv	98
51) 2-Hexanone	10.11	43	1148360	9.530	ppbv #	98
52) Tetrachloroethene	11.20	164	974526	8.488	ppbv	97
53) Toluene	9.78	91	3208059	9.662	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1677527	9.272	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1360074m	9.464	ppbv	
57) Chlorobenzene	12.12	112	2370342	8.768	ppbv	99
58) Ethyl Benzene	12.68	91	4372821	9.460	ppbv	98
59) m/p-Xylene	12.97	91	7443651m	18.463	ppbv	
60) o-Xylene	13.66	91	3537272	9.074	ppbv	100
61) Styrene	13.50	104	1895455	9.665	ppbv	99
62) Isopropylbenzene	14.64	105	4855333	9.249	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2544715	8.557	ppbv	99
64) n-propylbenzene	15.54	120	1274161	9.927	ppbv	98
65) tert-Butylbenzene	16.72	119	4192993	9.211	ppbv	99
66) Benzyl Chloride	16.96	91	497890	9.895	ppbv	99
67) sec-Butylbenzene	17.27	105	5933668	9.234	ppbv	100
69) p-Isopropyltoluene	17.63	119	4857669	9.681	ppbv	100
70) n-Butylbenzene	18.52	91	5070252	9.746	ppbv	99
71) 2-Chlorotoluene	15.43	91	3791795	9.639	ppbv	99
72) 4-Ethyltoluene	15.81	105	4127779	9.663	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3681360	9.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	3853855	9.033	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2246100	9.353	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2139659	8.974	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2128065	9.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1637213	8.098	ppbv	99
79) Naphthalene	22.17	128	2477372	9.951	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	332924	6.781	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	1508449	9.814	ppbv	100

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

