

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033842.D
 Acq On : 29 May 2019 18:50
 Operator : SY/AP
 Sample : VL0529ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:45:12 PM

Quant Time: May 30 02:21:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	713094	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1853817	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1875751m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1498883	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1191683	7.930	ppbv	100
3) Chlorodifluoromethane	3.01	51	880258	10.777	ppbv	98
4) Chloromethane	3.17	50	497473	10.648	ppbv	99
5) Vinyl Chloride	3.29	62	506720	10.647	ppbv	95
6) Bromomethane	3.51	94	316664	10.905	ppbv	99
7) Chloroethane	3.60	64	181856	10.752	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1322375	10.915	ppbv	98
9) Propene	3.03	41	369350	10.631	ppbv	99
10) Heptane	8.24	43	1075397	10.931	ppbv	100
11) Trichlorofluoromethane	4.00	101	1584652	11.048	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1060660	10.590	ppbv	99
13) Ethanol	3.65	45	85037	7.573	ppbv	99
14) Bromoethene	3.78	108	420491	11.420	ppbv	98
15) Acetone	3.89	43	967159	9.775	ppbv	99
16) 1,3-Butadiene	3.36	39	451089	11.449	ppbv	100
17) tert-Butyl alcohol	4.35	59	915793	11.447	ppbv	100
18) 1,1-Dichloroethene	4.35	96	463952	10.975	ppbv	97
19) Isopropyl Alcohol	4.02	45	684122	10.724	ppbv #	98
20) Methylene Chloride	4.40	84	395364	10.379	ppbv	100
21) Allyl Chloride	4.47	41	669004	10.841	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	480171	11.081	ppbv	91
23) Vinyl Acetate	5.15	43	1414009	10.839	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1023526	10.321	ppbv	99
25) Ethyl Acetate	5.76	43	1744351	10.036	ppbv	100
26) Hexane	5.77	57	758844	10.156	ppbv	97
27) Carbon Disulfide	4.62	76	1156452	11.282	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1315163	10.797	ppbv	100
29) Chloroform	5.85	83	1504962	10.935	ppbv	99
30) Cyclohexane	7.24	84	705896	11.238	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	785445	10.602	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1396904	10.165	ppbv	99
34) 2-Butanone	5.33	43	1128670	9.822	ppbv	99
35) Carbon Tetrachloride	7.13	117	1613054	10.862	ppbv	99
36) Benzene	7.00	78	1707972	10.128	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1104854	10.157	ppbv	98
38) Trichloroethene	7.96	130	738272	11.798	ppbv	98
39) 1,2-Dichloropropane	7.73	63	658309	10.471	ppbv	98
40) 1,4-Dioxane	7.95	88	265950	10.112	ppbv #	99
41) Tetrahydrofuran	6.14	42	707478	10.989	ppbv	99
42) Bromodichloromethane	7.91	83	1632588	10.963	ppbv	98
43) Methyl Methacrylate	8.13	69	690234	11.122	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	2997175	10.516	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	883048	11.224	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1039979	11.289	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	675051	9.451	ppbv	98
48) Dibromochloromethane	10.44	129	1305443	10.549	ppbv	99
49) Bromoform	13.20	173	1244014	11.947	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	1856396	10.503	ppbv	100
51) 2-Hexanone	10.26	43	1484343	10.761	ppbv #	98
52) Tetrachloroethene	11.37	164	628945	10.610	ppbv	96
53) Toluene	9.94	91	1937184	10.651	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1101054	10.102	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	892420	10.282	ppbv	96
57) Chlorobenzene	12.29	112	1536590	9.952	ppbv	98
58) Ethyl Benzene	12.86	91	2839483	11.431	ppbv	99
59) m/p-Xylene	13.14	91	4848583m	22.330	ppbv	
60) o-Xylene	13.84	91	2371706	10.835	ppbv	100
61) Styrene	13.68	104	1736807	11.785	ppbv	99
62) Isopropylbenzene	14.82	105	3159037	10.717	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1664796	10.459	ppbv	100
64) n-propylbenzene	15.72	120	823940	10.806	ppbv	96
65) tert-Butylbenzene	16.90	119	3002544	11.156	ppbv	99
66) Benzyl Chloride	17.15	91	1508507	11.768	ppbv	99
67) sec-Butylbenzene	17.45	105	4203409	11.159	ppbv	99
69) p-Isopropyltoluene	17.81	119	3532399	11.345	ppbv	99
70) n-Butylbenzene	18.71	91	3670150	10.992	ppbv	99
71) 2-Chlorotoluene	15.61	91	2421837	11.074	ppbv	100
72) 4-Ethyltoluene	16.00	105	2893925	11.563	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2761532	11.309	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	2880633	10.840	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1665967	10.230	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1639511	10.593	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1616818	10.566	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	929650	8.036	ppbv	99
79) Naphthalene	22.40	128	2126975	8.617	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	562396	5.996	ppbv	97
81) 1,2,4-Trichlorobenzene	22.13	180	1254188	8.677	ppbv	100

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

