

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032006.D
 Acq On : 16 May 2018 18:20
 Operator : SY/AP
 Sample : VL0516ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0516ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:12 PM

Quant Time: May 17 09:13:14 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 0
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1667006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2431503	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.38	117	2730204m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2096935	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	1214671	5.52	ppbv	99
3) Chlorodifluoromethane	3.09	51	1116180	7.12	ppbv	98
4) Chloromethane	3.25	50	574569	6.95	ppbv	96
5) Vinyl Chloride	3.38	62	606242	6.50	ppbv	99
6) Bromomethane	3.60	94	445881	7.34	ppbv	91
7) Chloroethane	3.69	64	257235	7.25	ppbv	89
8) Dichlorotetrafluoroethane	3.30	85	1511749	6.89	ppbv	97
9) Propene	3.12	41	406153	7.07	ppbv	97
10) Heptane	8.37	43	1487135	7.52	ppbv	99
11) Trichlorofluoromethane	4.10	101	2224498	8.37	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1434619	7.66	ppbv	95
13) Ethanol	3.74	45	134252	6.25	ppbv #	100
14) Bromoethene	3.88	108	503566	7.28	ppbv	99
15) Acetone	4.00	43	1313799	5.58	ppbv	97
16) 1,3-Butadiene	3.45	39	550048	7.26	ppbv	97
17) tert-Butyl alcohol	4.45	59	785948	8.06	ppbv	99
18) 1,1-Dichloroethene	4.45	96	649492	7.91	ppbv	98
19) Isopropyl Alcohol	4.12	45	1010969	7.93	ppbv	100
20) Methylene Chloride	4.51	84	619250	7.79	ppbv	98
21) Allyl Chloride	4.58	41	1025182	7.63	ppbv	97
22) trans-1,2-Dichloroethene	5.07	96	685312	7.52	ppbv	98
23) Vinyl Acetate	5.26	43	2030763	7.54	ppbv	99
24) 1,1-Dichloroethane	5.20	63	1797182	7.15	ppbv	99
25) Ethyl Acetate	5.88	43	3688299	9.12	ppbv	100
26) Hexane	5.90	57	1744537	9.17	ppbv	99
27) Carbon Disulfide	4.73	76	1805862	8.48	ppbv	100
28) Methyl tert-Butyl Ether	5.22	73	1720337	7.36	ppbv	99
29) Chloroform	5.97	83	2773588	9.22	ppbv	99
30) Cyclohexane	7.37	84	865341	6.83	ppbv	98
31) cis-1,2-Dichloroethene	5.76	61	1633221	9.39	ppbv	96
32) 1,1,1-Trichloroethane	6.74	97	1854245	6.68	ppbv	99
34) 2-Butanone	5.44	43	1852144	9.23	ppbv	100
35) Carbon Tetrachloride	7.26	117	1882915	9.77	ppbv	98
36) Benzene	7.13	78	2171538	9.48	ppbv	98
37) 1,2-Dichloroethane	6.53	62	1524076	9.26	ppbv	99
38) Trichloroethene	8.09	130	927308	10.66	ppbv	98
39) 1,2-Dichloropropane	7.86	63	797289	10.00	ppbv	95
40) 1,4-Dioxane	8.08	88	376588	10.48	ppbv	97
41) Tetrahydrofuran	6.27	42	801362	9.17	ppbv	99
42) Bromodichloromethane	8.05	83	1924537	10.49	ppbv	100
43) Methyl Methacrylate	8.27	69	844197	10.94	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032006.D
 Acq On : 16 May 2018 18:20
 Operator : SY/AP
 Sample : VL0516ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:12 PM

Quant Time: May 17 09:13:14 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3795494	10.27	ppbv	100
45) t-1,3-Dichloropropene	9.55	75	1225010	11.98	ppbv	97
46) cis-1,3-Dichloropropene	8.97	75	1481089	11.73	ppbv	97
47) 1,1,2-Trichloroethane	9.75	97	956403	10.14	ppbv	97
48) Dibromochloromethane	10.59	129	1647391	10.89	ppbv	100
49) Bromoform	13.34	173	1284754	10.95	ppbv	100
50) 4-Methyl-2-Pentanone	9.00	43	2014193	10.63	ppbv	100
51) 2-Hexanone	10.40	43	1942136	11.26	ppbv #	100
52) Tetrachloroethene	11.51	164	878829	10.36	ppbv	99
53) Toluene	10.08	91	2716180	11.00	ppbv	100
54) 1,2-Dibromoethane	10.90	107	1472353	10.47	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.42	131	1126631	9.06	ppbv #	60
57) Chlorobenzene	12.44	112	2122498	9.01	ppbv	97
58) Ethyl Benzene	13.00	91	3782084	9.67	ppbv	99
59) m/p-Xylene	13.29	91	6336851m	19.11	ppbv	
60) o-Xylene	13.99	91	3179018	9.55	ppbv	100
61) Styrene	13.82	104	738668	10.94	ppbv	100
62) Isopropylbenzene	14.96	105	3937929	9.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.97	83	2047786	8.66	ppbv	99
64) n-propylbenzene	15.86	120	995593	9.33	ppbv	100
65) tert-Butylbenzene	17.04	119	3424999	9.02	ppbv	100
66) Benzyl Chloride	17.29	91	347077	10.07	ppbv	99
67) sec-Butylbenzene	17.59	105	4885184	9.27	ppbv	100
69) p-Isopropyltoluene	17.95	119	3997895	9.44	ppbv	99
70) n-Butylbenzene	18.85	91	4201178	9.59	ppbv	99
71) 2-Chlorotoluene	15.76	91	2952313	9.48	ppbv	100
72) 4-Ethyltoluene	16.13	105	3301079	9.77	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2951979	9.45	ppbv	100
74) 1,2,4-Trimethylbenzene	17.06	105	3185070	9.21	ppbv	96
75) 1,3-Dichlorobenzene	17.30	146	1979338	9.28	ppbv	100
76) 1,4-Dichlorobenzene	17.44	146	2026424	9.60	ppbv	98
77) 1,2-Dichlorobenzene	18.12	146	1968514	9.17	ppbv	99
78) Hexachloro-1,3-Butadiene	23.67	225	1014245m	10.39	ppbv	
79) Naphthalene	22.57	128	3549301	14.75	ppbv	100
80) Naphthalene, 2-methyl-	25.22	142	1646547	28.69	ppbv	99
81) 1,2,4-Trichlorobenzene	22.30	180	1768210m	13.25	ppbv	

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

