

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038215.D
 Acq On : 21 Dec 2021 15:15
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Quant Time: Dec 21 17:44:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 16:38:41 2021
 Response via : Initial Calibration

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	755083	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2295698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2031850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1591195	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	94443	0.701 ppbv	95
3) Chlorodifluoromethane	3.00	51	86802	0.544 ppbv	100
4) Chloromethane	3.15	50	31065	0.569 ppbv	95
5) Vinyl Chloride	3.27	62	24370	0.452 ppbv	96
6) Bromomethane	3.48	94	12993	0.446 ppbv	100
7) Chloroethane	3.57	64	9311	0.485 ppbv	91
8) Dichlorotetrafluoroethane	3.20	85	77172	0.602 ppbv	97
9) Propene	3.02	41	30339	0.526 ppbv	97
10) Heptane	8.12	43	74914	0.522 ppbv	96
11) Trichlorofluoromethane	3.96	101	70165	0.555 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	54499	0.587 ppbv	98
13) Ethanol	3.64	45	6191m	0.644 ppbv	
14) Bromoethene	3.75	108	21733m	0.564 ppbv	
15) Acetone	3.88	43	46657	0.659 ppbv	99
16) 1,3-Butadiene	3.33	39	28420	0.554 ppbv	98
17) tert-Butyl alcohol	4.33	59	50702m	0.626 ppbv	
18) 1,1-Dichloroethene	4.30	96	22703	0.547 ppbv	99
19) Isopropyl Alcohol	4.00	45	30503m	0.650 ppbv	
20) Methylene Chloride	4.35	84	27504	0.684 ppbv	90
21) Allyl Chloride	4.42	41	32892	0.521 ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	22242	0.525 ppbv	88
23) Vinyl Acetate	5.09	43	50806	0.510 ppbv #	95
24) 1,1-Dichloroethane	5.02	63	49405	0.566 ppbv	98
25) Ethyl Acetate	5.69	43	104695	0.491 ppbv #	94
26) Hexane	5.69	57	58328m	0.560 ppbv	
27) Carbon Disulfide	4.56	76	39706	0.429 ppbv #	86
28) Methyl tert-Butyl Ether	5.06	73	56273m	0.576 ppbv	
29) Chloroform	5.76	83	83369	0.544 ppbv	91
30) Cyclohexane	7.13	84	48032	0.507 ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	41106	0.476 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	69652	0.447 ppbv	89
34) 2-Butanone	5.27	43	35818	0.449 ppbv	96
35) Carbon Tetrachloride	7.02	117	70709	0.461 ppbv	93
36) Benzene	6.89	78	116117	0.528 ppbv	99
37) 1,2-Dichloroethane	6.31	62	57064	0.531 ppbv	98
38) Trichloroethene	7.83	130	41293	0.493 ppbv #	88
39) 1,2-Dichloropropane	7.61	63	44993m	0.530 ppbv	
40) 1,4-Dioxane	7.88	88	14372m	0.614 ppbv	
41) Tetrahydrofuran	6.10	42	29885m	0.572 ppbv	
42) Bromodichloromethane	7.79	83	75848	0.482 ppbv	93
43) Methyl Methacrylate	8.02	69	36090	0.478 ppbv	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038215.D
 Acq On : 21 Dec 2021 15:15
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 17:44:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 16:38:41 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	205882	0.559	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	22752m	0.396	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	34010	0.429	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	46377	0.528	ppbv	96
48) Dibromochloromethane	10.30	129	53915m	0.422	ppbv	
49) Bromoform	13.03	173	34704m	0.385	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	60182	0.457	ppbv	95
51) 2-Hexanone	10.17	43	34622m	0.573	ppbv	
52) Tetrachloroethene	11.22	164	41642	0.507	ppbv	88
53) Toluene	9.81	91	135610	0.537	ppbv	100
54) 1,2-Dibromoethane	10.61	107	63594	0.513	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	43749m	0.505	ppbv	
57) Chlorobenzene	12.14	112	105020m	0.600	ppbv	
58) Ethyl Benzene	12.71	91	178607	0.558	ppbv	92
59) m/p-Xylene	12.99	91	308394m	1.141	ppbv	
60) o-Xylene	13.69	91	143498	0.568	ppbv	98
61) Styrene	13.52	104	64486	0.495	ppbv	98
62) Isopropylbenzene	14.66	105	200169	0.562	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	99177	0.527	ppbv	97
64) n-propylbenzene	15.56	120	46076m	0.511	ppbv	
65) tert-Butylbenzene	16.74	119	176722m	0.564	ppbv	
66) Benzyl Chloride	16.99	91	5409m	0.417	ppbv	
67) sec-Butylbenzene	17.29	105	234422	0.539	ppbv	100
69) p-Isopropyltoluene	17.64	119	190308m	0.557	ppbv	
70) n-Butylbenzene	18.55	91	176579m	0.542	ppbv	
71) 2-Chlorotoluene	15.45	91	145807m	0.556	ppbv	
72) 4-Ethyltoluene	15.83	105	152056	0.521	ppbv	96
73) 1,3,5-Trimethylbenzene	16.00	105	133743	0.501	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	141546	0.514	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	73590	0.491	ppbv	90
76) 1,4-Dichlorobenzene	17.13	146	85962m	0.594	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	75019	0.520	ppbv	93
78) Hexachloro-1,3-Butadiene	23.37	225	49378	0.552	ppbv	98
79) Naphthalene	22.20	128	59890	0.416	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	11331m	0.375	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	41051m	0.501	ppbv	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122121\
Data File : VL038215.D
Acq On : 21 Dec 2021 15:15
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Quant Time: Dec 21 17:44:42 2021

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL122121

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Dec 21 16:38:41 2021

Response via : Initial Calibration

Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021

