

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003683.D
 Acq On : 08 Dec 2020 18:15
 Operator : SY/MD
 Sample : L4979-08MSD
 Misc : 4.68G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8MSD

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:59:31 AM

Quant Time: Dec 09 02:51:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	185632	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	118759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	24116	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73112	27.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.40%
7) Chloroethane-d5	2.77	69	56920	28.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.96%
10) 1,1-Dichloroethene-d2	3.86	63	130547	26.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.68%
20) 2-Butanone-d5	6.90	46	35849	38.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.62%
24) Chloroform-d	7.49	84	120713	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.15	65	64549	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	8.12	84	257868	37.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	150.04%#
33) 1,2-Dichloropropane-d6	9.12	67	73283	36.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	144.08%#
37) Toluene-d8	10.18	98	190949	30.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	123.92%
38) trans-1,3-Dichloropropene-	10.44	79	27712	28.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.00%
39) 2-Hexanone-d5	10.79	63	24880	48.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.62%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	34689	19.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.56%
61) 1,2-Dichlorobenzene-d4	13.72	152	19984	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.89	96	62102	27.955	ug/L	87
13) Acetone	3.96	43	14730	21.472	ug/L	99
14) Carbon disulfide	4.21	76	2057	0.278	ug/L #	93
16) Methylene chloride	4.73	84	7966	2.444	ug/L	93
21) 2-Butanone	6.99	43	2348	1.938	ug/L	91
30) Cyclohexane	7.78	56	1691m	0.661	ug/L	
34) Benzene	8.17	78	250200	36.828	ug/L	100
35) Trichloroethene	8.95	95	54368	29.149	ug/L	98
36) Methylcyclohexane	9.19	83	1692	0.592	ug/L #	80
44) Toluene	10.25	91	241152	33.651	ug/L	97
52) Chlorobenzene	11.52	112	108062	22.913	ug/L	96
53) Ethylbenzene	11.59	91	15338	1.961	ug/L	93
54) m,p-Xylene	11.70	106	1907	0.632	ug/L	83
55) o-xylene	12.02	106	794	0.274	ug/L #	58

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

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