

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082520\
 Data File : VW016348.D
 Acq On : 25 Aug 2020 08:46
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Aug 26 01:22:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 16:06:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	301360	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281456	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144504	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	71125	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
7) Chloroethane-d5	2.89	69	57039	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.02	63	181196	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.84%
20) 2-Butanone-d5	7.08	46	47170	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
24) Chloroform-d	7.65	84	197843	25.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	8.31	65	104343	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.08%
29) Benzene-d6	8.27	84	376869	23.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.92%
33) 1,2-Dichloropropane-d6	9.27	67	105151	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.33	98	363488	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	52398	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.88%
39) 2-Hexanone-d5	10.93	63	36022	51.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97687	26.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	125488	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	77266	23.334	ug/L	95
3) Chloromethane	2.21	50	57179	22.116	ug/L	99
5) Vinyl chloride	2.37	62	85986	24.419	ug/L	100
6) Bromomethane	2.78	94	55907	24.286	ug/L	98
8) Chloroethane	2.93	64	49466	25.194	ug/L	97
9) Trichlorofluoromethane	3.26	101	92978	24.399	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	103388	24.856	ug/L	98
12) 1,1-Dichloroethene	4.04	96	100671	25.163	ug/L	95
13) Acetone	4.13	43	42878	56.461	ug/L	99
14) Carbon disulfide	4.39	76	289340	24.393	ug/L	99
15) Methyl Acetate	4.67	43	40652	26.605	ug/L	97
16) Methylene chloride	4.92	84	107137	19.231	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	153281	26.203	ug/L #	92
18) trans-1,2-Dichloroethene	5.42	96	104927	24.967	ug/L	97
19) 1,1-Dichloroethane	6.21	63	173524	25.060	ug/L	99
21) 2-Butanone	7.17	43	57969	53.577	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	112051	25.352	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52432	25.863	ug/L	93
25) Chloroform	7.68	83	189794	25.451	ug/L	98
27) 1,2-Dichloroethane	8.40	62	121836	26.086	ug/L	99
30) Cyclohexane	7.96	56	149597	24.591	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	174319	25.751	ug/L	99
32) Carbon tetrachloride	8.07	117	163955	25.508	ug/L	97
34) Benzene	8.32	78	406106	25.155	ug/L	100
35) Trichloroethene	9.09	95	112904	24.700	ug/L	99
36) Methylcyclohexane	9.34	83	186961	25.055	ug/L	99
40) 1,2-Dichloropropane	9.37	63	94845	24.981	ug/L	100
41) Bromodichloromethane	9.65	83	139416	25.923	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	161427	25.968	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	119926	52.830	ug/L	100
44) Toluene	10.39	91	448020	25.483	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	146519	26.658	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82791	26.419	ug/L	95
47) Tetrachloroethene	10.87	164	89489	24.827	ug/L	98
49) 2-Hexanone	10.97	43	83701	56.916	ug/L	98
50) Dibromochloromethane	11.13	129	103064	26.407	ug/L	98
51) 1,2-Dibromoethane	11.24	107	82128	26.775	ug/L	97
52) Chlorobenzene	11.66	112	291996	24.867	ug/L	98
53) Ethylbenzene	11.73	91	514217	25.442	ug/L	99
54) m,p-Xylene	11.84	106	197315	25.402	ug/L	95
55) o-xylene	12.17	106	187467	25.690	ug/L	99
56) Styrene	12.18	104	328008	26.713	ug/L	100
57) Isopropylbenzene	12.46	105	522113	25.702	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	98901	27.047	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	72736	26.858	ug/L	96
62) Bromoform	12.35	173	57827	24.623	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	235911	24.225	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	231486	23.464	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	210396	24.195	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17122	25.047	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	168104	25.014	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	138393	25.944	ug/L	97
69) Naphthalene	15.36	128	290157	27.690	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	118764	25.315	ug/L	99

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

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