

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010063.D
 Acq On : 02 Apr 2019 15:44
 Operator : SY/MD
 Sample : VSTD2.566
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Manual Integrations
 APPROVED

MMDadoda
 4/6/2019 5:02:11 AM

Quant Time: Apr 02 16:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 14:35:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305765	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	284134	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	137919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11359	2.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	12913	3.49	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	26928	2.56	ug/L	0.00
20) 2-Butanone-d5	3.96	46	5105m	4.48	ug/L	0.02
24) Chloroform-d	4.41	84	17816	2.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9913	2.20	ug/L	0.00
29) Benzene-d6	5.10	84	35152	2.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	10593	2.54	ug/L	0.00
37) Toluene-d8	7.36	98	32851	2.29	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3772	2.10	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	3425	4.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9753	2.26	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	13928	2.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13136	2.789 ug/L	100
3) Chloromethane	1.25	50	11178	2.717 ug/L	100
5) Vinyl chloride	1.32	62	11783	2.618 ug/L	89
6) Bromomethane	1.53	94	14340	3.575 ug/L	91
8) Chloroethane	1.59	64	10746	3.607 ug/L	92
9) Trichlorofluoromethane	1.77	101	23579	2.545 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12423	2.369 ug/L	98
12) 1,1-Dichloroethene	2.14	96	10966	2.426 ug/L	95
13) Acetone	2.20	43	6474	4.801 ug/L	98
14) Carbon disulfide	2.32	76	22754	2.507 ug/L #	93
15) Methyl Acetate	2.47	43	4186	2.139 ug/L	96
16) Methylene chloride	2.54	84	17861	3.343 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	20392	2.188 ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	9950	2.646 ug/L	83
19) 1,1-Dichloroethane	3.24	63	15405	2.329 ug/L	95
21) 2-Butanone	4.06	43	6138m	4.788 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	10049	2.384 ug/L	92
23) Bromochloromethane	4.31	128	4472	2.147 ug/L	89
25) Chloroform	4.43	83	16595	2.141 ug/L	100
27) 1,2-Dichloroethane	5.18	62	11204	2.276 ug/L #	85
30) Cyclohexane	4.72	56	13300	2.562 ug/L #	91
31) 1,1,1-Trichloroethane	4.66	97	14547	2.506 ug/L #	76
32) Carbon tetrachloride	4.88	117	12082	2.285 ug/L	99
34) Benzene	5.15	78	36631	2.574 ug/L	100
35) Trichloroethene	5.96	95	10340	2.541 ug/L	98
36) Methylcyclohexane	6.18	83	15897	2.539 ug/L	98
40) 1,2-Dichloropropane	6.22	63	9575m	2.750 ug/L	
41) Bromodichloromethane	6.56	83	10836	2.335 ug/L	89
42) cis-1,3-Dichloropropene	7.07	75	11420	2.144 ug/L	95
43) 4-Methyl-2-pentanone	7.28	43	12034	4.522 ug/L #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	38136	2.365	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	8846m	1.997	ug/L	
46) 1,1,2-Trichloroethane	7.88	97	7563	2.398	ug/L	96
47) Tetrachloroethene	8.02	164	9060	2.623	ug/L	94
49) 2-Hexanone	8.19	43	7742	4.387	ug/L #	92
50) Dibromochloromethane	8.29	129	7163	1.964	ug/L	95
51) 1,2-Dibromoethane	8.40	107	7235	2.288	ug/L #	93
52) Chlorobenzene	8.93	112	27346	2.463	ug/L	95
53) Ethylbenzene	9.06	91	42894	2.407	ug/L	96
54) m,p-Xylene	9.19	106	16735	2.342	ug/L	86
55) o-xylene	9.59	106	15049	2.227	ug/L	98
56) Styrene	9.61	104	22974	2.032	ug/L	99
57) Isopropylbenzene	9.97	105	39815	2.211	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	9417	2.308	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	6735	2.250	ug/L	94
62) Bromoform	9.77	173	3971	2.061	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	20293	2.440	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	22269	2.546	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	20998	2.558	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1226	2.316	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.69	180	15419	2.513	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	10743	2.401	ug/L	96
69) Naphthalene	13.55	128	13410	1.906	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	8924	2.129	ug/L	87

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

