

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100521\
 Data File : VY006302.D
 Acq On : 05 Oct 2021 09:00
 Operator : SY/MD
 Sample : VSTD2.514
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5814

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:04:27 AM

Quant Time: Oct 05 10:59:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM100521SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 10:59:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	223725	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	210524	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	101826	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	8817	2.40	ug/L	0.00
7) Chloroethane-d5	2.772	69	6758	2.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.863	63	15206	2.29	ug/L	0.00
21) 2-Butanone-d5	6.899	46	4444	3.13	ug/L	0.00
24) Chloroform-d	7.484	84	13586	2.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.143	65	8689	2.40	ug/L	0.00
32) Benzene-d6	8.112	84	28504	2.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.130	67	8409	2.14	ug/L	0.00
41) Toluene-d8	10.185	98	26647	2.36	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	3979	2.10	ug/L	0.00
47) 2-Hexanone-d5	10.789	63	3200	3.09	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.563	84	6040	1.78	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	8432	2.32	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	10421	2.56	ug/L	100
3) Chloromethane	2.119	50	10264	2.26	ug/L	98
5) Vinyl chloride	2.260	62	12078	2.42	ug/L	97
6) Bromomethane	2.662	94	4821	2.31	ug/L	89
8) Chloroethane	2.808	64	6716	2.32	ug/L	95
9) Trichlorofluoromethane	3.137	101	15278	2.40	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	7710	2.17	ug/L #	90
12) 1,1-Dichloroethene	3.887	96	6894	2.05	ug/L	96
13) Acetone	3.960	43	4798m	3.82	ug/L	
14) Carbon disulfide	4.204	76	26615	2.37	ug/L	99
15) Methyl Acetate	4.473	43	4260m	1.55	ug/L	
17) trans-1,2-Dichloroethene	5.229	96	7665	2.09	ug/L	91
18) Methyl tert-butyl Ether	5.222	73	18024	1.76	ug/L #	69
19) 1,1-Dichloroethane	6.027	63	14230	2.09	ug/L	92
20) cis-1,2-Dichloroethene	6.984	96	7884	2.02	ug/L	94
22) 2-Butanone	6.990	43	5421	2.95	ug/L	96
23) Bromochloromethane	7.338	128	3618	2.00	ug/L #	84
25) Chloroform	7.515	83	15649	2.21	ug/L	99
27) 1,2-Dichloroethane	8.246	62	10310	2.06	ug/L	96
29) Cyclohexane	7.789	56	12984	1.96	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	13351	2.17	ug/L	99
31) Carbon tetrachloride	7.905	117	12047	2.37	ug/L	95
33) Benzene	8.167	78	32388	2.08	ug/L	100
34) Trichloroethene	8.941	95	8327	2.11	ug/L	93
35) Methylcyclohexane	9.185	83	13697	2.03	ug/L	99
37) 1,2-Dichloropropane	9.216	63	7943	1.99	ug/L	100
38) Bromodichloromethane	9.496	83	10490	2.04	ug/L	94
39) cis-1,3-Dichloropropene	9.929	75	11397	1.81	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	10325	2.58	ug/L	97
42) Toluene	10.246	91	34108	2.05	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	10435	1.77	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	5216	1.69	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	10.721	164	6780	2.20	ug/L	93
48) 2-Hexanone	10.837	43	7354	2.62	ug/L	98
49) Dibromochloromethane	10.984	129	6655	1.85	ug/L	88
50) 1,2-Dibromoethane	11.093	107	4862	1.65	ug/L	96
51) Chlorobenzene	11.520	112	21099	2.07	ug/L	96
52) Ethylbenzene	11.593	91	35043	1.95	ug/L	98
53) m,p-Xylene	11.703	106	13518	2.01	ug/L	92
54) o-Xylene	12.032	106	12177	1.89	ug/L	95
55) Styrene	12.044	104	21085	1.88	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.587	83	5874	1.62	ug/L	85
59) Bromoform	12.209	173	3941	1.72	ug/L #	97
60) Isopropylbenzene	12.331	105	33018	1.92	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	5013	1.65	ug/L	99
62) 1,3,5-Trimethylbenzene	12.813	105	25749	1.85	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	24976	1.80	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	15599	2.11	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	15570	2.08	ug/L	95
67) 1,2-Dichlorobenzene	13.739	146	14148	2.08	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.355	75	1192	1.71	ug/L #	71
69) 1,3,5-Trichlorobenzene	14.507	180	10481	2.07	ug/L	97
70) 1,2,4-trichlorobenzene	15.007	180	8053	1.92	ug/L	99
71) Naphthalene	15.239	128	14033	1.41	ug/L	97
72) 1,2,3-Trichlorobenzene	15.428	180	6420	1.69	ug/L	98

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

