

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100521\
 Data File : VY006304.D
 Acq On : 05 Oct 2021 09:45
 Operator : SY/MD
 Sample : VSTD02516
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025816

Manual Integrations
 APPROVED

apatel
 10/14/2021 10:04:38 AM

Quant Time: Oct 05 11:00:45 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	8.697	114	204366	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.495	117	196185	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	101240	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	89989	26.84	ug/L	0.00
7) Chloroethane-d5	2.771	69	65433	26.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.869	63	179758	29.60	ug/L	0.00
21) 2-Butanone-d5	6.893	46	48685	37.50	ug/L	0.00
24) Chloroform-d	7.490	84	135398	25.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.149	65	83468	25.19	ug/L	0.00
32) Benzene-d6	8.118	84	265537	23.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	76472	20.88	ug/L	0.00
41) Toluene-d8	10.185	98	252613	24.00	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	40643	23.00	ug/L	0.00
47) 2-Hexanone-d5	10.794	63	35690	37.04	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.562	84	61979	19.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.727	152	86254	23.84	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	192743	51.93	ug/L	99
3) Chloromethane	2.119	50	184249	44.43	ug/L	97
5) Vinyl chloride	2.259	62	213032	46.80	ug/L	100
6) Bromomethane	2.662	94	97354	51.11	ug/L	98
8) Chloroethane	2.802	64	122936	46.52	ug/L	100
9) Trichlorofluoromethane	3.137	101	270529	46.47	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.911	101	135384	41.66	ug/L	93
12) 1,1-Dichloroethene	3.887	96	131868m	42.97	ug/L	
13) Acetone	3.954	43	121604	105.86	ug/L	95
14) Carbon disulfide	4.204	76	476569	46.38	ug/L	98
15) Methyl Acetate	4.491	43	85054	33.93	ug/L	100
16) Methylene chloride	4.728	84	142216	35.09	ug/L	97
17) trans-1,2-Dichloroethene	5.234	96	146185	43.58	ug/L	97
18) Methyl tert-butyl Ether	5.234	73	386637	41.35	ug/L	97
19) 1,1-Dichloroethane	6.027	63	256341	41.23	ug/L	98
20) cis-1,2-Dichloroethene	6.996	96	152993	42.85	ug/L	97
22) 2-Butanone	6.996	43	136810	81.45	ug/L	98
23) Bromochloromethane	7.344	128	67776	41.01	ug/L	91
25) Chloroform	7.514	83	273958	42.34	ug/L	100
27) 1,2-Dichloroethane	8.246	62	203350	44.40	ug/L	96
29) Cyclohexane	7.795	56	264398	42.92	ug/L	96
30) 1,1,1-Trichloroethane	7.710	97	256233	44.70	ug/L	99
31) Carbon tetrachloride	7.911	117	230681	48.80	ug/L	99
33) Benzene	8.167	78	608952	41.95	ug/L	100
34) Trichloroethene	8.947	95	154904	42.15	ug/L	95
35) Methylcyclohexane	9.191	83	274018	43.61	ug/L	99
37) 1,2-Dichloropropane	9.222	63	145179	38.95	ug/L	99
38) Bromodichloromethane	9.502	83	202523	42.32	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	236982	40.36	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	249517	66.86	ug/L	98
42) Toluene	10.246	91	671144	43.18	ug/L	99
44) trans-1,3-Dichloropropene	10.471	75	223915	40.82	ug/L	97

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

45) 1,1,2-Trichloroethane	10.648	97	109722	38.17	ug/L	98
46) Tetrachloroethene	10.721	164	129096	44.97	ug/L	95
48) 2-Hexanone	10.837	43	198663	75.87	ug/L	98
49) Dibromochloromethane	10.989	129	138282	41.28	ug/L	94
50) 1,2-Dibromoethane	11.093	107	103499	37.60	ug/L	98
51) Chlorobenzene	11.520	112	399776	42.05	ug/L	99
52) Ethylbenzene	11.593	91	724550	43.23	ug/L	99
53) m,p-Xylene	11.703	106	277024	44.15	ug/L	99
54) o-Xylene	12.032	106	267718	44.59	ug/L	98
55) Styrene	12.044	104	475167	45.52	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.581	83	118348	35.08	ug/L	98
59) Bromoform	12.209	173	91620	40.31	ug/L #	98
60) Isopropylbenzene	12.331	105	723622	42.32	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	101461	33.68	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	599349	43.29	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	593049	43.05	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	315160	42.87	ug/L	100
65) 1,4-Dichlorobenzene	13.446	146	317104	42.60	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	283625	41.98	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	24086	34.67	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	221394	44.02	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	181570	43.43	ug/L	99
71) Naphthalene	15.239	128	382720	38.72	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	162211	43.01	ug/L	99

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

