

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032420\
 Data File : VY002041.D
 Acq On : 24 Mar 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:37:53 AM

Quant Time: Mar 24 15:26:20 2020
 Quant Title :
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	168778	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	300011	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	269184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	123031	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	85198	47.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.73	113	84336	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.19	98	337295	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.49	95	122594	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	65788	42.228	ug/l	97
3) Chloromethane	2.12	50	91196	43.417	ug/l	99
4) Vinyl Chloride	2.26	62	95614	44.752	ug/l	98
5) Bromomethane	2.66	94	61829	49.487	ug/l	94
6) Chloroethane	2.80	64	61885	46.110	ug/l	98
7) Trichlorofluoromethane	3.14	101	136520	47.116	ug/l	93
8) Diethyl Ether	3.54	74	53331	46.699	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	92056	49.395	ug/l	99
10) Methyl Iodide	4.11	142	109718	50.908	ug/l	99
11) Tert butyl alcohol	4.97	59	34522	177.570	ug/l	97
12) 1,1-Dichloroethene	3.88	96	91925	48.987	ug/l	96
13) Acrolein	3.74	56	49168	194.188	ug/l	97
14) Allvl chloride	4.50	41	163374	49.110	ug/l	100
15) Acrylonitrile	5.18	53	136577	223.805	ug/l	99
16) Acetone	3.96	43	152795	291.150	ug/l	99
17) Carbon Disulfide	4.21	76	269563	42.733	ug/l	99
18) Methyl Acetate	4.49	43	57862	42.911	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	241344	47.460	ug/l	98
20) Methylene Chloride	4.73	84	102639	45.634	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	101962	47.872	ug/l	96
22) Diisopropyl ether	6.13	45	330202	48.423	ug/l	97
23) Vinyl Acetate	6.08	43	1032042	230.861	ug/l	98
24) 1,1-Dichloroethane	6.04	63	181363	49.113	ug/l	99
25) 2-Butanone	7.00	43	196137	245.763	ug/l	97
26) 2,2-Dichloropropane	7.00	77	152973	50.471	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	113562	49.016	ug/l	100
28) Bromochloromethane	7.35	49	80695	48.480	ug/l	99
29) Tetrahydrofuran	7.36	42	111667	210.704	ug/l	99
30) Chloroform	7.52	83	172463	49.709	ug/l	98
31) Cyclohexane	7.79	56	176389	44.549	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	147762	50.531	ug/l	99
36) 1,1-Dichloropropene	7.92	75	142196	49.254	ug/l	99
37) Ethyl Acetate	7.09	43	73458	43.779	ug/l	99
38) Carbon Tetrachloride	7.91	117	126357	51.234	ug/l	100
39) Methylcyclohexane	9.19	83	187675	49.012	ug/l	99

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40) Benzene	8.17	78	422495	49.373	ug/l	99
41) Methacrylonitrile	7.33	41	45862m	60.733	ug/l	
42) 1,2-Dichloroethane	8.25	62	107492	48.749	ug/l	99
43) Isopropyl Acetate	8.28	43	144664	45.537	ug/l	98
44) Trichloroethene	8.95	130	103521	49.674	ug/l	99
45) 1,2-Dichloropropane	9.22	63	109554	50.929	ug/l	99
46) Dibromomethane	9.31	93	54305	48.989	ug/l	97
47) Bromodichloromethane	9.50	83	134363	52.106	ug/l	99
48) Methyl methacrylate	9.30	41	67428	47.833	ug/l	100
49) 1,4-Dioxane	9.31	88	13031	857.898	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	366468	223.964	ug/l	100
52) Toluene	10.25	92	261689	50.341	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	143903	51.222	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	169409	50.654	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	79511	49.011	ug/l	99
56) Ethyl methacrylate	10.52	69	114379	48.101	ug/l	99
57) 1,3-Dichloropropane	10.80	76	140695	48.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	180950	212.912	ug/l	100
59) 2-Hexanone	10.84	43	287627	246.276	ug/l	100
60) Dibromochloromethane	10.99	129	87830	51.379	ug/l	100
61) 1,2-Dibromoethane	11.10	107	73503	47.831	ug/l	99
64) Tetrachloroethene	10.73	164	84130	49.837	ug/l	92
65) Chlorobenzene	11.52	112	269771	50.297	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	90511	51.459	ug/l	98
67) Ethyl Benzene	11.60	91	503013	50.286	ug/l	100
68) m/p-Xylenes	11.71	106	372588	100.747	ug/l	100
69) o-Xylene	12.03	106	175289	50.288	ug/l	99
70) Styrene	12.05	104	305540	51.179	ug/l	100
71) Bromoform	12.22	173	47962	50.281	ug/l #	98
73) Isopropylbenzene	12.33	105	481061	51.221	ug/l	99
74) N-amyl acetate	12.15	43	134397	46.560	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94370	46.595	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	66920m	45.840	ug/l	
77) Bromobenzene	12.61	156	101608	51.063	ug/l	96
78) n-propylbenzene	12.68	91	593739	51.243	ug/l	100
79) 2-Chlorotoluene	12.77	91	327101	51.097	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	395587	51.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34984	48.406	ug/l	97
82) 4-Chlorotoluene	12.86	91	339104	50.877	ug/l	99
83) tert-Butylbenzene	13.08	119	339346	52.842	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	394067	51.357	ug/l	100
85) sec-Butylbenzene	13.26	105	494111	52.200	ug/l	100
86) p-Isopropyltoluene	13.38	119	427448	52.348	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	196163	50.307	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	197326	49.883	ug/l	100
89) n-Butylbenzene	13.70	91	436264	51.498	ug/l	99
90) Hexachloroethane	13.97	117	83217	54.022	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	179412	50.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14548	46.032	ug/l	97
93) 1,2,4-Trichlorobenzene	15.02	180	113305	49.320	ug/l	97
94) Hexachlorobutadiene	15.12	225	57438	51.282	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.25	128	254452	46.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	99773	49.300	ug/l	99

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

