

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002761.D
 Acq On : 27 May 2020 13:40
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY052720

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:46 PM

Quant Time: May 28 05:06:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	361049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	528809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	483932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	253895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	156377	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.72	113	160384	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.18	98	625514	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	219041	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	125140	50.372	ug/l	96
3) Chloromethane	2.11	50	137483	50.032	ug/l	99
4) Vinyl Chloride	2.26	62	153734	52.931	ug/l	99
5) Bromomethane	2.65	94	112594	51.730	ug/l	99
6) Chloroethane	2.80	64	97079	51.560	ug/l	98
7) Trichlorofluoromethane	3.13	101	271855	52.849	ug/l	99
8) Diethyl Ether	3.54	74	101318	50.443	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	168261	55.092	ug/l	99
10) Methyl Iodide	4.10	142	228585	53.487	ug/l	100
11) Tert butyl alcohol	4.97	59	90287	268.931	ug/l	100
12) 1,1-Dichloroethene	3.88	96	164316	53.497	ug/l	99
13) Acrolein	3.74	56	90298	245.792	ug/l	100
14) Allyl chloride	4.49	41	243419	55.257	ug/l	99
15) Acrylonitrile	5.18	53	246568	272.107	ug/l	100
16) Acetone	3.96	43	217725	296.185	ug/l	98
17) Carbon Disulfide	4.20	76	488321	52.612	ug/l	99
18) Methyl Acetate	4.49	43	102450	55.652	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	457431	53.946	ug/l	99
20) Methylene Chloride	4.72	84	185171	51.546	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	182336	52.787	ug/l	95
22) Diisopropyl ether	6.13	45	498855	54.494	ug/l	98
23) Vinyl Acetate	6.07	43	1702819	281.741	ug/l	100
24) 1,1-Dichloroethane	6.02	63	291492	54.433	ug/l	99
25) 2-Butanone	6.99	43	321773	280.956	ug/l	98
26) 2,2-Dichloropropane	6.99	77	268707	52.320	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	207265	53.600	ug/l	98
28) Bromochloromethane	7.34	49	108961	49.565	ug/l	98
29) Tetrahydrofuran	7.35	42	204907	275.057	ug/l	100
30) Chloroform	7.51	83	305494	53.761	ug/l	97
31) Cyclohexane	7.79	56	273835	51.503	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	282065	53.268	ug/l	99
36) 1,1-Dichloropropene	7.92	75	241829	54.288	ug/l	100
37) Ethyl Acetate	7.08	43	137313	56.656	ug/l	99
38) Carbon Tetrachloride	7.91	117	263136	53.174	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	317531	54.080	ug/l	98
40) Benzene	8.16	78	702411	53.365	ug/l	99
41) Methacrylonitrile	7.33	41	73264m	56.269	ug/l	
42) 1,2-Dichloroethane	8.24	62	196419	53.248	ug/l	99
43) Isopropyl Acetate	8.28	43	255747	55.685	ug/l	100
44) Trichloroethene	8.94	130	219514	52.798	ug/l	96
45) 1,2-Dichloropropane	9.22	63	170127	53.898	ug/l	99
46) Dibromomethane	9.31	93	100417	53.567	ug/l	99
47) Bromodichloromethane	9.50	83	242275	54.822	ug/l	97
48) Methyl methacrylate	9.29	41	114609	55.278	ug/l	99
49) 1,4-Dioxane	9.30	88	30382	1055.532	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	680332	279.743	ug/l	100
52) Toluene	10.24	92	457587	53.143	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	264288	54.753	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	298445	54.566	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	152386	53.098	ug/l	95
56) Ethyl methacrylate	10.51	69	212376	55.249	ug/l	98
57) 1,3-Dichloropropane	10.79	76	254245	53.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	472310	251.458	ug/l	100
59) 2-Hexanone	10.83	43	489098	283.444	ug/l	100
60) Dibromochloromethane	10.99	129	196252	53.937	ug/l	100
61) 1,2-Dibromoethane	11.09	107	153763	54.313	ug/l	100
64) Tetrachloroethene	10.72	164	228320	51.912	ug/l	100
65) Chlorobenzene	11.52	112	511578	53.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	194280	53.931	ug/l	99
67) Ethyl Benzene	11.59	91	895574	54.009	ug/l	100
68) m/p-Xylenes	11.70	106	693463	107.863	ug/l	100
69) o-Xylene	12.03	106	329971	54.367	ug/l	100
70) Styrene	12.05	104	568183	54.003	ug/l	100
71) Bromoform	12.20	173	133022	55.186	ug/l #	99
73) Isopropylbenzene	12.33	105	890434	54.726	ug/l	100
74) N-amyl acetate	12.14	43	239226	57.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	162929	57.072	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	128571m	56.199	ug/l	
77) Bromobenzene	12.61	156	228153	53.852	ug/l	98
78) n-propylbenzene	12.67	91	1033244	54.976	ug/l	100
79) 2-Chlorotoluene	12.75	91	574466	54.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	745286	54.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69985	57.633	ug/l	98
82) 4-Chlorotoluene	12.85	91	605028	54.775	ug/l	100
83) tert-Butylbenzene	13.08	119	661437	54.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	743213	54.408	ug/l	99
85) sec-Butylbenzene	13.25	105	901318	54.397	ug/l	100
86) p-Isopropyltoluene	13.37	119	844775	54.793	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	431828	53.810	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	434059	54.070	ug/l	99
89) n-Butylbenzene	13.70	91	769866	55.000	ug/l	100
90) Hexachloroethane	13.96	117	158160	54.796	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	394455	54.199	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31485	57.325	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	293398	53.484	ug/l	98
94) Hexachlorobutadiene	15.11	225	166732	53.587	ug/l	99
95) Naphthalene	15.23	128	604686	54.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	264312	53.955	ug/l	99

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

