

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003459.D
 Acq On : 05 Oct 2020 17:41
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY100520

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:46 PM

Quant Time: Oct 06 04:30:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 06 04:23:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	560178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	805338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	754717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	411708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	292237	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	7.72	113	258009	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.18	98	1055061	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.48	95	370756	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	231561	53.186	ug/l	98
3) Chloromethane	2.12	50	319464	52.747	ug/l	99
4) Vinyl Chloride	2.25	62	356290	54.067	ug/l	98
5) Bromomethane	2.65	94	271981	48.085	ug/l	96
6) Chloroethane	2.80	64	203338	50.462	ug/l	99
7) Trichlorofluoromethane	3.13	101	406231	50.109	ug/l	100
8) Diethyl Ether	3.54	74	135476	50.376	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	227057	50.371	ug/l	99
10) Methyl Iodide	4.10	142	199574	61.761	ug/l	100
11) Tert butyl alcohol	4.96	59	119910	221.418	ug/l	98
12) 1,1-Dichloroethene	3.88	96	223041	50.175	ug/l	98
13) Acrolein	3.73	56	119772	228.115	ug/l	98
14) Allyl chloride	4.49	41	393289	49.465	ug/l	98
15) Acrylonitrile	5.17	53	309481	241.075	ug/l	97
16) Acetone	3.95	43	301282	219.959	ug/l	98
17) Carbon Disulfide	4.20	76	726269	49.984	ug/l	99
18) Methyl Acetate	4.48	43	150506	45.644	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	584105	49.667	ug/l	100
20) Methylene Chloride	4.72	84	268840	52.153	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	260711	50.021	ug/l	95
22) Diisopropyl ether	6.13	45	748505	50.192	ug/l	98
23) Vinyl Acetate	6.07	43	2699758	247.387	ug/l	100
24) 1,1-Dichloroethane	6.02	63	461144	50.029	ug/l	99
25) 2-Butanone	6.99	43	452342	229.390	ug/l	100
26) 2,2-Dichloropropane	6.99	77	404695	48.894	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	292522	50.335	ug/l	99
28) Bromochloromethane	7.34	49	235944	52.457	ug/l	98
29) Tetrahydrofuran	7.35	42	269873	232.717	ug/l	98
30) Chloroform	7.51	83	469568	50.222	ug/l	99
31) Cyclohexane	7.78	56	398609	48.635	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	423778	49.436	ug/l	99
36) 1,1-Dichloropropene	7.93	75	372386	49.305	ug/l	99
37) Ethyl Acetate	7.08	43	206454	46.260	ug/l	100
38) Carbon Tetrachloride	7.91	117	388638	49.073	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	423131	50.846	ug/l	98
40) Benzene	8.16	78	1048347	48.918	ug/l	99
41) Methacrylonitrile	7.32	41	92857m	40.810	ug/l	
42) 1,2-Dichloroethane	8.24	62	326918	47.796	ug/l	100
43) Isopropyl Acetate	8.27	43	391691	46.876	ug/l	100
44) Trichloroethene	8.94	130	306699	48.589	ug/l	98
45) 1,2-Dichloropropane	9.22	63	271720	49.749	ug/l	98
46) Dibromomethane	9.31	93	146283	47.365	ug/l	99
47) Bromodichloromethane	9.50	83	368055	48.611	ug/l	98
48) Methyl methacrylate	9.29	41	187258	47.329	ug/l	98
49) 1,4-Dioxane	9.30	88	33055	906.600	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	1033258	232.289	ug/l	98
52) Toluene	10.24	92	677258	49.037	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	397535	49.092	ug/l	96
54) cis-1,3-Dichloropropene	9.92	75	442915	49.054	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	211801	47.964	ug/l	100
56) Ethyl methacrylate	10.51	69	289855	48.789	ug/l	98
57) 1,3-Dichloropropane	10.79	76	369345	48.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	748022	240.315	ug/l	99
59) 2-Hexanone	10.83	43	719364	230.228	ug/l	99
60) Dibromochloromethane	10.99	129	268592	48.051	ug/l	100
61) 1,2-Dibromoethane	11.09	107	202117	47.580	ug/l	99
64) Tetrachloroethene	10.72	164	328748	48.333	ug/l	98
65) Chlorobenzene	11.52	112	741478	49.172	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	283715	49.402	ug/l	99
67) Ethyl Benzene	11.59	91	1345329	49.818	ug/l	100
68) m/p-Xylenes	11.70	106	1024036	99.409	ug/l	100
69) o-Xylene	12.03	106	484867	50.126	ug/l	99
70) Styrene	12.04	104	832443	50.486	ug/l	99
71) Bromoform	12.20	173	183730	47.979	ug/l #	98
73) Isopropylbenzene	12.33	105	1332059	51.682	ug/l	99
74) N-amyl acetate	12.14	43	368378	49.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	241474	48.557	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	170712m	47.952	ug/l	
77) Bromobenzene	12.61	156	339899	49.574	ug/l	99
78) n-propylbenzene	12.67	91	1575747	51.429	ug/l	100
79) 2-Chlorotoluene	12.75	91	876375	50.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1148612	51.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	89049	47.631	ug/l	99
82) 4-Chlorotoluene	12.85	91	918097	50.244	ug/l	99
83) tert-Butylbenzene	13.07	119	981989	51.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1152029	51.595	ug/l	99
85) sec-Butylbenzene	13.25	105	1370862	51.704	ug/l	100
86) p-Isopropyltoluene	13.37	119	1297626	51.364	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	655577	49.950	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	647506	49.632	ug/l	99
89) n-Butylbenzene	13.69	91	1185574	51.509	ug/l	99
90) Hexachloroethane	13.95	117	204070	51.597	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	583220	49.862	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	43740	46.410	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	433801	49.976	ug/l	99
94) Hexachlorobutadiene	15.11	225	282021	49.596	ug/l	99
95) Naphthalene	15.23	128	774517	50.781	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	375262	49.901	ug/l	99

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

