

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002512.D
 Acq On : 30 Apr 2020 15:01
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:05 PM

Quant Time: May 04 12:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:07:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	397550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	590779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	537112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	277878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	65296	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
35) Dibromofluoromethane	7.74	113	65786	19.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.94%	
50) Toluene-d8	10.19	98	255408	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
62) 4-Bromofluorobenzene	12.49	95	87740	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47323	15.674	ug/l	93
3) Chloromethane	2.12	50	54490	16.918	ug/l	97
4) Vinyl Chloride	2.26	62	65566	17.629	ug/l	100
5) Bromomethane	2.65	94	44897	17.505	ug/l	100
6) Chloroethane	2.80	64	39762	17.905	ug/l	95
7) Trichlorofluoromethane	3.14	101	104839	18.188	ug/l	100
8) Diethyl Ether	3.55	74	36101	18.637	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	65402	18.565	ug/l	100
10) Methyl Iodide	4.11	142	87618	18.256	ug/l	100
11) Tert butyl alcohol	4.99	59	31987	93.012	ug/l	98
12) 1,1-Dichloroethene	3.89	96	62482	18.257	ug/l	97
13) Acrolein	3.75	56	20998	88.297	ug/l	96
14) Allyl chloride	4.50	41	93079	18.667	ug/l	99
15) Acrylonitrile	5.19	53	86496	94.690	ug/l	99
16) Acetone	3.97	43	63468	92.002	ug/l	98
17) Carbon Disulfide	4.21	76	178728	17.360	ug/l	98
18) Methyl Acetate	4.50	43	44149	19.154	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	168429	18.864	ug/l	99
20) Methylene Chloride	4.74	84	71184	18.452	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	70046	18.726	ug/l	98
22) Diisopropyl ether	6.14	45	199439	19.767	ug/l	99
23) Vinyl Acetate	6.09	43	612609	96.548	ug/l	100
24) 1,1-Dichloroethane	6.04	63	112809	18.900	ug/l	100
25) 2-Butanone	7.01	43	107044	94.792	ug/l	99
26) 2,2-Dichloropropane	7.00	77	105497	18.595	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	78851	19.051	ug/l	99
28) Bromochloromethane	7.36	49	47755	19.527	ug/l	100
29) Tetrahydrofuran	7.37	42	70694	94.621	ug/l	99
30) Chloroform	7.53	83	118140	19.036	ug/l	98
31) Cyclohexane	7.80	56	108455	18.052	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	108425	18.796	ug/l	100
36) 1,1-Dichloropropene	7.94	75	91008	18.376	ug/l	99
37) Ethyl Acetate	7.10	43	49172	19.321	ug/l	99
38) Carbon Tetrachloride	7.92	117	101372	18.748	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117675	17.989	ug/l	98
40) Benzene	8.18	78	268107	18.743	ug/l	99
41) Methacrylonitrile	7.34	41	26406m	19.849	ug/l	
42) 1,2-Dichloroethane	8.25	62	76126	18.973	ug/l	100
43) Isopropyl Acetate	8.29	43	91746	19.229	ug/l	99
44) Trichloroethene	8.96	130	84137	18.822	ug/l	96
45) 1,2-Dichloropropane	9.23	63	65965	19.108	ug/l	98
46) Dibromomethane	9.32	93	37733	18.997	ug/l	99
47) Bromodichloromethane	9.51	83	92063	19.062	ug/l	97
48) Methyl methacrylate	9.30	41	40588	18.797	ug/l	100
49) 1,4-Dioxane	9.31	88	9579	364.237	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	233484	94.942	ug/l	100
52) Toluene	10.25	92	172702	18.787	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	95168	18.807	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	109968	18.798	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	55534	19.173	ug/l	98
56) Ethyl methacrylate	10.52	69	72732	18.875	ug/l	99
57) 1,3-Dichloropropane	10.80	76	93323	18.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	204394	100.586	ug/l	99
59) 2-Hexanone	10.84	43	161766	95.572	ug/l	100
60) Dibromochloromethane	10.99	129	69789	18.944	ug/l	100
61) 1,2-Dibromoethane	11.10	107	55390	19.313	ug/l	97
64) Tetrachloroethene	10.73	164	90160	18.893	ug/l	98
65) Chlorobenzene	11.52	112	191881	18.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	71480	18.859	ug/l	99
67) Ethyl Benzene	11.60	91	336410	18.757	ug/l	99
68) m/p-Xylenes	11.71	106	260630	37.557	ug/l	99
69) o-Xylene	12.03	106	122503	18.853	ug/l	99
70) Styrene	12.05	104	211238	19.017	ug/l	98
71) Bromoform	12.22	173	44677	18.992	ug/l #	100
73) Isopropylbenzene	12.34	105	336769	18.700	ug/l	100
74) N-amyl acetate	12.15	43	81246	18.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	53626	18.723	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	47820m	19.279	ug/l	
77) Bromobenzene	12.61	156	83968	18.662	ug/l	98
78) n-propylbenzene	12.68	91	392604	18.786	ug/l	100
79) 2-Chlorotoluene	12.77	91	217753	18.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	281270	18.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	23053	18.719	ug/l	98
82) 4-Chlorotoluene	12.86	91	229315	18.857	ug/l	99
83) tert-Butylbenzene	13.08	119	247168	18.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	281463	18.919	ug/l	99
85) sec-Butylbenzene	13.26	105	342340	18.848	ug/l	99
86) p-Isopropyltoluene	13.38	119	321118	18.869	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	160832	18.886	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	159332	18.895	ug/l	99
89) n-Butylbenzene	13.70	91	291780	18.833	ug/l	99
90) Hexachloroethane	13.97	117	57705	18.619	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	143594	18.897	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10544	19.749	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104396	18.923	ug/l	99
94) Hexachlorobutadiene	15.12	225	63279	19.109	ug/l	99
95) Naphthalene	15.25	128	187342	18.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	88799	18.961	ug/l	98

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

