

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002456.D
 Acq On : 23 Apr 2020 12:04
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:28 PM

Quant Time: Apr 23 13:01:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	280981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	416579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	381402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	198477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	49533	20.12	ug/l	0.00
Spiked Amount						
			Recovery	=	40.24%	
35) Dibromofluoromethane	7.75	113	46069	19.54	ug/l	0.00
Spiked Amount						
			Recovery	=	39.08%	
50) Toluene-d8	10.19	98	190743	20.08	ug/l	0.00
Spiked Amount						
			Recovery	=	40.16%	
62) 4-Bromofluorobenzene	12.49	95	61288	19.25	ug/l	0.00
Spiked Amount						
			Recovery	=	38.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	42445	20.426	ug/l	99
3) Chloromethane	2.13	50	54887	20.673	ug/l	98
4) Vinyl Chloride	2.27	62	40692	21.942	ug/l	96
5) Bromomethane	2.66	94	16955	16.932	ug/l	89
6) Chloroethane	2.82	64	14443	14.831	ug/l	93
7) Trichlorofluoromethane	3.15	101	58221	17.309	ug/l	100
8) Diethyl Ether	3.56	74	21981	15.976	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37637	16.196	ug/l	97
10) Methyl Iodide	4.12	142	70024	19.446	ug/l	98
11) Tert butyl alcohol	5.00	59	23304	101.834	ug/l	99
12) 1,1-Dichloroethene	3.91	96	38523	16.202	ug/l	97
13) Acrolein	3.75	56	13866	78.709	ug/l	97
14) Allyl chloride	4.51	41	69130	19.541	ug/l	98
15) Acrylonitrile	5.21	53	68474	103.076	ug/l	100
16) Acetone	3.99	43	42228	85.455	ug/l	98
17) Carbon Disulfide	4.22	76	143116	19.107	ug/l	99
18) Methyl Acetate	4.51	43	32783	19.937	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	129852	20.190	ug/l	98
20) Methylene Chloride	4.75	84	57272	18.969	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	53077	19.501	ug/l	95
22) Diisopropyl ether	6.15	45	140387	19.972	ug/l	98
23) Vinyl Acetate	6.10	43	453135	102.777	ug/l	97
24) 1,1-Dichloroethane	6.05	63	83349	19.557	ug/l	98
25) 2-Butanone	7.02	43	78867	102.133	ug/l	95
26) 2,2-Dichloropropane	7.02	77	79557	19.622	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	58202	19.670	ug/l	99
28) Bromochloromethane	7.36	49	33914	20.245	ug/l	96
29) Tetrahydrofuran	7.38	42	53922	104.857	ug/l	98
30) Chloroform	7.53	83	88669	19.581	ug/l	95
31) Cyclohexane	7.82	56	80873	18.735	ug/l #	96
32) 1,1,1-Trichloroethane	7.73	97	83752	19.700	ug/l	100
36) 1,1-Dichloropropene	7.94	75	69521	19.445	ug/l	99
37) Ethyl Acetate	7.11	43	36377	20.631	ug/l	99
38) Carbon Tetrachloride	7.92	117	80586	19.718	ug/l	100

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39) Methylcyclohexane	9.21	83	90257	19.429	ug/l	99
40) Benzene	8.19	78	202598	19.637	ug/l	99
41) Methacrylonitrile	7.36	41	21963m	10.346	ug/l	
42) 1,2-Dichloroethane	8.26	62	59143	19.805	ug/l	100
43) Isopropyl Acetate	8.30	43	66749	20.288	ug/l	99
44) Trichloroethene	8.96	130	62519	19.331	ug/l	100
45) 1,2-Dichloropropane	9.24	63	47491	19.947	ug/l	98
46) Dibromomethane	9.33	93	27863	20.168	ug/l	100
47) Bromodichloromethane	9.52	83	68171	19.686	ug/l	99
48) Methyl methacrylate	9.31	41	30137	20.105	ug/l	97
49) 1,4-Dioxane	9.31	88	6968	400.901	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	174707	102.466	ug/l	99
52) Toluene	10.26	92	129198	19.530	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	72059	20.007	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	82527	19.862	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	40571	19.829	ug/l	97
56) Ethyl methacrylate	10.52	69	56407	20.390	ug/l	99
57) 1,3-Dichloropropane	10.80	76	69210	20.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	137496	101.756	ug/l	100
59) 2-Hexanone	10.85	43	121686	103.153	ug/l	100
60) Dibromochloromethane	11.00	129	52932	19.853	ug/l	98
61) 1,2-Dibromoethane	11.10	107	40638	20.074	ug/l	98
64) Tetrachloroethene	10.74	164	69623	19.851	ug/l	99
65) Chlorobenzene	11.53	112	145169	19.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	54457	19.863	ug/l	99
67) Ethyl Benzene	11.61	91	255991	19.635	ug/l	99
68) m/p-Xylenes	11.71	106	196282	39.082	ug/l	99
69) o-Xylene	12.04	106	92542	19.674	ug/l	99
70) Styrene	12.06	104	161008	19.726	ug/l	99
71) Bromoform	12.22	173	34828	20.292	ug/l #	99
73) Isopropylbenzene	12.34	105	256029	19.901	ug/l	99
74) N-amyl acetate	12.16	43	61307	20.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39181	19.986	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	32127m	11.723	ug/l	
77) Bromobenzene	12.62	156	64578	20.002	ug/l	99
78) n-propylbenzene	12.68	91	294819	19.684	ug/l	99
79) 2-Chlorotoluene	12.77	91	159246	19.486	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	214233	19.553	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	17215	19.737	ug/l	98
82) 4-Chlorotoluene	12.86	91	168608	19.554	ug/l	99
83) tert-Butylbenzene	13.08	119	190975	19.800	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	217933	19.957	ug/l	100
85) sec-Butylbenzene	13.27	105	259485	19.703	ug/l	100
86) p-Isopropyltoluene	13.38	119	247566	19.860	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	121331	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	120525	19.745	ug/l	98
89) n-Butylbenzene	13.70	91	222855	19.544	ug/l	99
90) Hexachloroethane	13.97	117	43870	19.694	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	109036	19.762	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7872	20.253	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	82048	20.085	ug/l	99
94) Hexachlorobutadiene	15.12	225	49377	19.882	ug/l	98
95) Naphthalene	15.25	128	151082	20.349	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	69465	20.185	ug/l	99

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

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