

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002757.D
 Acq On : 27 May 2020 11:50
 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
 5/28/2020 2:08:35 PM

Quant Time: May 27 12:53:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	441206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	414930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225749	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	49710	20.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.92%	
35) Dibromofluoromethane	7.72	113	50165	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
50) Toluene-d8	10.18	98	203374	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
62) 4-Bromofluorobenzene	12.48	95	70026	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	39327	18.494	ug/l	97
3) Chloromethane	2.12	50	44900	18.581	ug/l	100
4) Vinyl Chloride	2.26	62	46671	18.487	ug/l	98
5) Bromomethane	2.64	94	34479	18.415	ug/l	97
6) Chloroethane	2.79	64	31116	19.256	ug/l	95
7) Trichlorofluoromethane	3.13	101	83764	19.493	ug/l	96
8) Diethyl Ether	3.54	74	32936	22.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	49093	18.814	ug/l	98
10) Methyl Iodide	4.10	142	69070	19.357	ug/l	99
11) Tert butyl alcohol	4.97	59	31616	129.242	ug/l	97
12) 1,1-Dichloroethene	3.88	96	50153	19.220	ug/l	99
13) Acrolein	3.74	56	33151	118.220	ug/l	98
14) Allyl chloride	4.49	41	70635	18.805	ug/l	99
15) Acrylonitrile	5.18	53	75216	111.749	ug/l	99
16) Acetone	3.96	43	56535	112.454	ug/l	98
17) Carbon Disulfide	4.20	76	150959	18.596	ug/l	97
18) Methyl Acetate	4.49	43	32078	23.027	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	139519	21.273	ug/l	100
20) Methylene Chloride	4.73	84	57483	19.727	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	56016	19.300	ug/l	99
22) Diisopropyl ether	6.13	45	151006	20.201	ug/l	96
23) Vinyl Acetate	6.07	43	495824	102.803	ug/l	100
24) 1,1-Dichloroethane	6.03	63	87958	19.729	ug/l	99
25) 2-Butanone	6.99	43	91627	111.688	ug/l	97
26) 2,2-Dichloropropane	6.99	77	82943	19.888	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	63993	20.324	ug/l	98
28) Bromochloromethane	7.34	49	37804	21.205	ug/l	98
29) Tetrahydrofuran	7.35	42	61012	110.452	ug/l	99
30) Chloroform	7.52	83	93590	20.175	ug/l	99
31) Cyclohexane	7.79	56	84712	18.820	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	86421	20.129	ug/l	100
36) 1,1-Dichloropropene	7.93	75	73702	19.825	ug/l	100
37) Ethyl Acetate	7.08	43	39957	21.625	ug/l	99
38) Carbon Tetrachloride	7.91	117	81895	20.464	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	96362	19.387	ug/l	97
40) Benzene	8.16	78	216557	19.963	ug/l	98
41) Methacrylonitrile	7.33	41	23913m	22.173	ug/l	
42) 1,2-Dichloroethane	8.24	62	60691	21.062	ug/l	99
43) Isopropyl Acetate	8.28	43	74895	21.704	ug/l	99
44) Trichloroethene	8.94	130	68149	19.740	ug/l	98
45) 1,2-Dichloropropane	9.22	63	51661	19.973	ug/l	99
46) Dibromomethane	9.31	93	30265	20.741	ug/l	99
47) Bromodichloromethane	9.50	83	72925	20.555	ug/l	99
48) Methyl methacrylate	9.30	41	33756	21.329	ug/l	98
49) 1,4-Dioxane	9.31	88	9377	460.507	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	199954	111.831	ug/l	99
52) Toluene	10.24	92	142526	20.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	79283	20.842	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	91101	20.754	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	47148	21.526	ug/l	96
56) Ethyl methacrylate	10.51	69	63288	21.779	ug/l	99
57) 1,3-Dichloropropane	10.79	76	78527	21.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	158928	111.369	ug/l	99
59) 2-Hexanone	10.83	43	142550	113.810	ug/l	100
60) Dibromochloromethane	10.99	129	60268	21.648	ug/l	100
61) 1,2-Dibromoethane	11.09	107	47275	21.948	ug/l	97
64) Tetrachloroethene	10.72	164	74559	19.155	ug/l	99
65) Chlorobenzene	11.52	112	160149	19.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	59796	20.029	ug/l	99
67) Ethyl Benzene	11.59	91	277760	19.789	ug/l	99
68) m/p-Xylenes	11.70	106	217113	39.749	ug/l	99
69) o-Xylene	12.03	106	102806	20.022	ug/l	100
70) Styrene	12.04	104	178901	20.264	ug/l	100
71) Bromoform	12.20	173	40540	21.773	ug/l #	98
73) Isopropylbenzene	12.33	105	280530	19.146	ug/l	100
74) N-amyl acetate	12.14	43	72267	20.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	49773	22.375	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39899m	21.362	ug/l	
77) Bromobenzene	12.61	156	72600	19.702	ug/l	99
78) n-propylbenzene	12.67	91	321806	18.881	ug/l	99
79) 2-Chlorotoluene	12.75	91	182040	19.234	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	234953	19.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20712	20.793	ug/l	99
82) 4-Chlorotoluene	12.85	91	189680	19.074	ug/l	99
83) tert-Butylbenzene	13.08	119	209995	19.219	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	237186	19.243	ug/l	99
85) sec-Butylbenzene	13.25	105	286590	19.055	ug/l	100
86) p-Isopropyltoluene	13.37	119	269932	19.198	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	139074	19.571	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	139548	19.726	ug/l	99
89) n-Butylbenzene	13.70	91	245949	19.045	ug/l	99
90) Hexachloroethane	13.96	117	49902	19.112	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	127487	19.947	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9510	22.261	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	96308	19.467	ug/l	100
94) Hexachlorobutadiene	15.11	225	56186	18.896	ug/l	98
95) Naphthalene	15.23	128	191365	21.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	84897	19.657	ug/l	99

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

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