

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002783.D
 Acq On : 28 May 2020 11:21
 Operator : SY/MD
 Sample : VY0528SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:05 AM

Quant Time: May 28 17:22:21 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	303879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	447212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	125338	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.72	113	129554	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.18	98	509388	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.48	95	176966	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	44504	21.284	ug/l	99
3) Chloromethane	2.11	50	49596	21.444	ug/l	98
4) Vinyl Chloride	2.26	62	53261	21.788	ug/l	100
5) Bromomethane	2.65	94	38397	20.960	ug/l	98
6) Chloroethane	2.79	64	31790	20.061	ug/l	99
7) Trichlorofluoromethane	3.13	101	87331	20.171	ug/l	94
8) Diethyl Ether	3.54	74	31582	18.682	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	53598	20.850	ug/l	99
10) Methyl Iodide	4.10	142	65025	18.078	ug/l	98
11) Tert butyl alcohol	4.97	59	29365	95.665	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	53279	20.610	ug/l	97
13) Acrolein	3.74	56	32511	105.144	ug/l	97
14) Allyl chloride	4.49	41	75415	20.340	ug/l	99
15) Acrylonitrile	5.18	53	77211	101.239	ug/l	98
16) Acetone	3.96	43	61175	98.877	ug/l	99
17) Carbon Disulfide	4.20	76	159383	20.403	ug/l	100
18) Methyl Acetate	4.49	43	34472	21.656	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	144968	20.313	ug/l	96
20) Methylene Chloride	4.72	84	58908	19.483	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	58778	20.218	ug/l	99
22) Diisopropyl ether	6.12	45	159132	20.654	ug/l	91
23) Vinyl Acetate	6.07	43	526098	103.422	ug/l	98
24) 1,1-Dichloroethane	6.02	63	92600	20.545	ug/l	99
25) 2-Butanone	6.99	43	95129	98.688	ug/l	100
26) 2,2-Dichloropropane	6.99	77	85219	19.715	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	65356	20.081	ug/l	99
28) Bromochloromethane	7.34	49	40658	21.974	ug/l	98
29) Tetrahydrofuran	7.35	42	64513	102.891	ug/l	100
30) Chloroform	7.51	83	98039	20.499	ug/l	100
31) Cyclohexane	7.78	56	89682	20.041	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	89119	19.996	ug/l	100
36) 1,1-Dichloropropene	7.92	75	76926	20.420	ug/l	99
37) Ethyl Acetate	7.08	43	44049	21.491	ug/l	100
38) Carbon Tetrachloride	7.91	117	82010	19.596	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	100078	20.155	ug/l	98
40) Benzene	8.16	78	228828	20.557	ug/l	98
41) Methacrylonitrile	7.32	41	18322m	16.639	ug/l	
42) 1,2-Dichloroethane	8.24	62	63513	20.359	ug/l	99
43) Isopropyl Acetate	8.28	43	79326	20.423	ug/l	100
44) Trichloroethene	8.94	130	71119	20.227	ug/l	97
45) 1,2-Dichloropropane	9.22	63	53300	19.967	ug/l	99
46) Dibromomethane	9.31	93	32452	20.470	ug/l	99
47) Bromodichloromethane	9.50	83	75902	20.309	ug/l	99
48) Methyl methacrylate	9.30	41	35791	20.412	ug/l	99
49) 1,4-Dioxane	9.30	88	9720	399.307	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	213689	103.898	ug/l	99
52) Toluene	10.24	92	147072	20.197	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	82768	20.276	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	95207	20.583	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	49484	20.388	ug/l	99
56) Ethyl methacrylate	10.51	69	66780	20.542	ug/l	98
57) 1,3-Dichloropropane	10.79	76	81526	20.422	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	162828	102.507	ug/l	100
59) 2-Hexanone	10.83	43	150534	103.155	ug/l	99
60) Dibromochloromethane	10.99	129	62634	20.355	ug/l	99
61) 1,2-Dibromoethane	11.09	107	48794	20.380	ug/l	100
64) Tetrachloroethene	10.72	164	76201	20.163	ug/l	98
65) Chlorobenzene	11.52	112	164179	19.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	62228	20.104	ug/l	98
67) Ethyl Benzene	11.59	91	286021	20.074	ug/l	100
68) m/p-Xylenes	11.70	106	227747	41.227	ug/l	97
69) o-Xylene	12.03	106	106299	20.383	ug/l	100
70) Styrene	12.05	104	184074	20.361	ug/l	99
71) Bromoform	12.21	173	42221	20.385	ug/l #	100
73) Isopropylbenzene	12.33	105	289173	19.979	ug/l	99
74) N-amyl acetate	12.14	43	75611	20.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	52081	20.508	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	42962m	21.110	ug/l	
77) Bromobenzene	12.61	156	74916	19.878	ug/l	99
78) n-propylbenzene	12.67	91	338447	20.243	ug/l	99
79) 2-Chlorotoluene	12.75	91	187923	20.037	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	244910	20.265	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	22622	20.942	ug/l	95
82) 4-Chlorotoluene	12.86	91	199575	20.311	ug/l	99
83) tert-Butylbenzene	13.08	119	214114	19.862	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	246222	20.262	ug/l	100
85) sec-Butylbenzene	13.25	105	297830	20.206	ug/l	100
86) p-Isopropyltoluene	13.37	119	279419	20.373	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	144515	20.243	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	146094	20.457	ug/l	99
89) n-Butylbenzene	13.70	91	255577	20.525	ug/l	100
90) Hexachloroethane	13.96	117	52362	20.393	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	132272	20.430	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10212	20.901	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	99650	20.420	ug/l	100
94) Hexachlorobutadiene	15.11	225	56671	20.475	ug/l	99
95) Naphthalene	15.23	128	197913	20.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	87986	20.190	ug/l	99

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

