

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001129.D
 Acq On : 02 Jan 2020 11:03
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:11:13 AM

Quant Time: Jan 02 13:05:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 12:11:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	375906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	620509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	534795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	31564	8.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.40%	
35) Dibromofluoromethane	7.74	113	35789	9.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.52%	
50) Toluene-d8	10.18	98	117749	8.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.78%	
62) 4-Bromofluorobenzene	12.49	95	55649	10.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27659	8.445	ug/l	96
3) Chloromethane	2.12	50	17063	4.186	ug/l	93
4) Vinyl Chloride	2.26	62	16228	4.074	ug/l #	86
5) Bromomethane	2.65	94	14373	5.795	ug/l	90
6) Chloroethane	2.80	64	12775	5.163	ug/l	92
7) Trichlorofluoromethane	3.13	101	53743	8.677	ug/l	94
8) Diethyl Ether	3.54	74	16378	6.680	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	32008	7.898	ug/l	97
10) Methyl Iodide	4.10	142	44700	7.753	ug/l	98
11) Tert butyl alcohol	4.97	59	13727	34.544	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	31003	7.531	ug/l	93
13) Acrolein	3.74	56	13354	29.231	ug/l	92
14) Allyl chloride	4.49	41	30395	4.831	ug/l	90
15) Acrylonitrile	5.18	53	33559	26.891	ug/l	97
16) Acetone	3.96	43	28166	34.974	ug/l	99
17) Carbon Disulfide	4.21	76	87977	6.507	ug/l	96
18) Methyl Acetate	4.49	43	14303	4.568	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	71908	6.687	ug/l	98
20) Methylene Chloride	4.73	84	37575	7.488	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	34270	7.322	ug/l #	85
22) Diisopropyl ether	6.14	45	64799	5.117	ug/l #	90
23) Vinyl Acetate	6.08	43	206962	25.954	ug/l	94
24) 1,1-Dichloroethane	6.04	63	45951	6.018	ug/l	96
25) 2-Butanone	7.00	43	44868	31.463	ug/l	95
26) 2,2-Dichloropropane	7.00	77	53647	8.365	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	41918	8.170	ug/l	98
28) Bromochloromethane	7.35	49	17762	6.111	ug/l	90
29) Tetrahydrofuran	7.36	42	32192	31.904	ug/l	99
30) Chloroform	7.52	83	63263	8.627	ug/l	99
31) Cyclohexane	7.80	56	65923	8.219	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	60783	9.539	ug/l	99
36) 1,1-Dichloropropene	7.93	75	56249	9.502	ug/l	98
37) Ethyl Acetate	7.08	43	18564	5.891	ug/l	96
38) Carbon Tetrachloride	7.91	117	57965	10.867	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	73622	9.321	ug/l	97
40) Benzene	8.18	78	171219	9.573	ug/l	98
41) Methacrylonitrile	7.32	41	7850m	5.949	ug/l	
42) 1,2-Dichloroethane	8.25	62	40258	9.475	ug/l	99
43) Isopropyl Acetate	8.28	43	45191	7.757	ug/l	98
44) Trichloroethene	8.94	130	50719	10.547	ug/l	95
45) 1,2-Dichloropropane	9.23	63	37516	8.543	ug/l	98
46) Dibromomethane	9.31	93	21407	9.343	ug/l	98
47) Bromodichloromethane	9.50	83	49012	9.268	ug/l	97
48) Methyl methacrylate	9.30	41	19311	7.822	ug/l	97
49) 1,4-Dioxane	9.31	88	6905	206.374	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	104620	35.013	ug/l	99
52) Toluene	10.25	92	99689	9.123	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	49855	8.716	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	57203	8.382	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	30250	8.768	ug/l	94
56) Ethyl methacrylate	10.51	69	38763	8.060	ug/l	93
57) 1,3-Dichloropropane	10.79	76	51274	8.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	70227	38.132	ug/l	97
59) 2-Hexanone	10.83	43	69771	33.308	ug/l	99
60) Dibromochloromethane	10.99	129	37401	10.007	ug/l	99
61) 1,2-Dibromoethane	11.09	107	30907	9.331	ug/l	99
64) Tetrachloroethene	10.72	164	51130	10.704	ug/l	98
65) Chlorobenzene	11.52	112	119213	10.560	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	41814	11.144	ug/l	98
67) Ethyl Benzene	11.60	91	205975	10.203	ug/l	98
68) m/p-Xylenes	11.70	106	163915	21.288	ug/l	99
69) o-Xylene	12.03	106	77391	10.685	ug/l	97
70) Styrene	12.05	104	129420	10.507	ug/l	100
71) Bromoform	12.21	173	22696	10.875	ug/l #	93
73) Isopropylbenzene	12.33	105	205920	10.175	ug/l	100
74) N-amyl acetate	12.14	43	37499	7.417	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	35372	9.084	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	26799m	8.420	ug/l	
77) Bromobenzene	12.61	156	50592	11.033	ug/l	93
78) n-propylbenzene	12.67	91	234465	9.542	ug/l	100
79) 2-Chlorotoluene	12.75	91	132274	9.770	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	171925	10.345	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12393	8.384	ug/l #	84
82) 4-Chlorotoluene	12.86	91	135179	9.648	ug/l	98
83) tert-Butylbenzene	13.08	119	144057	10.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	171131	10.279	ug/l	99
85) sec-Butylbenzene	13.25	105	205503	10.000	ug/l	98
86) p-Isopropyltoluene	13.37	119	184590	10.356	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	94159	10.750	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	93316	10.554	ug/l	96
89) n-Butylbenzene	13.70	91	171557	9.684	ug/l	99
90) Hexachloroethane	13.96	117	34197	10.250	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	85436	10.585	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	6281	9.685	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	59692	10.938	ug/l	96
94) Hexachlorobutadiene	15.11	225	29968	11.397	ug/l	99
95) Naphthalene	15.23	128	135003	10.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	51664	10.616	ug/l	97

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

